354.7295 P8381 1942/43

REPORT

OF THE

COMMISSIONER OF THE INTERIOR

OF

PUERTO RICO

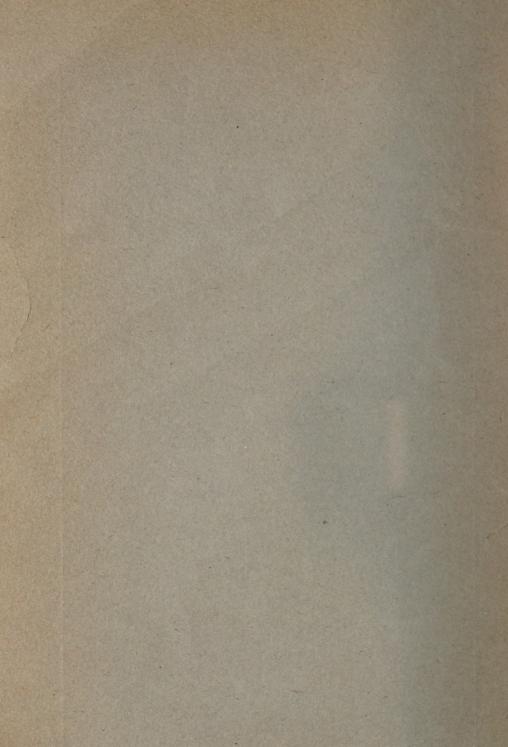
FOR THE FISCAL YEAR ENDING JUNE 30, 1943

TO THE

HON GOVERNOR OF PUERTO RICO



SAN JUAN, P. R. INSULAR PROCUREMENT OFFICE PRINTING DIVISION 1943



REPORT

OF THE

COMMISSIONER OF THE INTERIOR

OF

PUERTO RICO

FOR THE FISCAL YEAR ENDING JUNE 30, 1943

TO THE

HON. GOVERNOR OF PUERTO RICO

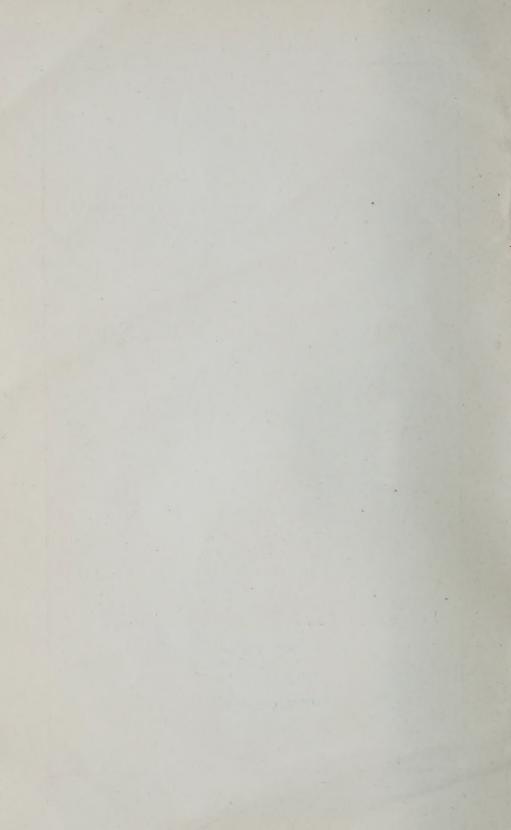


THE LIBRARY OF THE

NOV 14 13 6

UNIVERSITY OF ILLINOIS

SAN JUAN, P. R. INSULAR PROCUREMENT OFFICE PRINTING DIVISION 1943



Department of the Interior

Jose Enrique Colom Jorge V. Dávila Wernerdine Sancher Borne V. Coledo Gilberte Barbosa Sicardo Ricardo E. Capriles Victor Cardona Enemur Castillo Anna Bose Hernan Cestero Sudlermo Corbella Jum Corbella Hector & Deliz Fugur & Labo Forge Mussenden Jum L Horlas Humberto Torres Mario Bonnin Wedro González Juliá Luis A. Capó Cerlos Alvira Corres Hugo Bustomante Victor Jose Colon.

Luis H. Memboza Rafael L. Conzalez José Gil Cardona Jonquin R. Fuertes Carret Jum Lopez Denn Aufulio Pietri Fost L. Rodriguez Alfonso Danway José Suárez Builrago Ubaldo del Toro Wene Aguili De Angel Sanjurio Jose A Kngo Julie H. Montilla Ignacio Bonit Sufael Calderon Simon Amador Amador German Horales Garcia Sufael Hernandez Arhiro Abrams de Leon Ismael Corres Hacias A Bluller Pinero José Medina

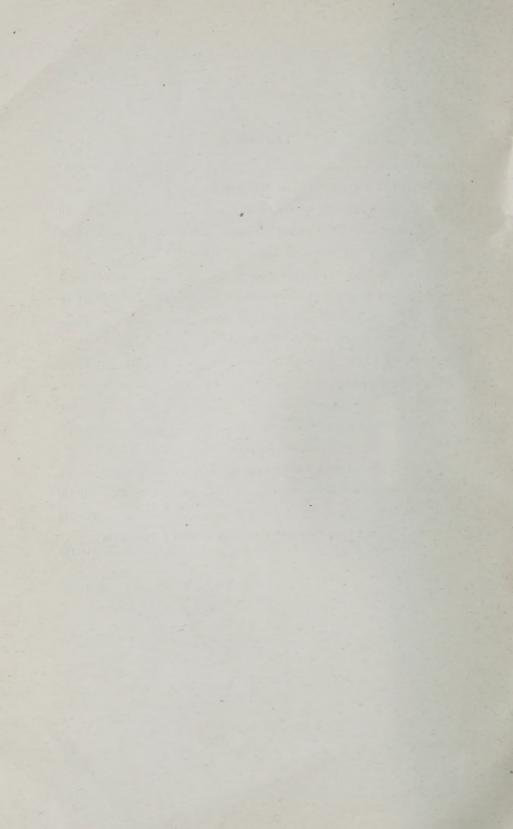
José Figures Mirman Tulio Rodriguez Seren Hignel A. Balasquide José S. Bernier Tuis Enbrera Wafael Capo José Marxwich Hillon Quinous Wilfredo Vincenty Luis A. Cardero Ernesto Pérez Cardona Cabriel Pons Arbona Jose A Mulet Je Owaldo M. Izquierdo Frank Curves Benitez Jose G. Tormos Bamon F. Luga Francisco Rivera Aponte Manuel Sanjurio Armindo Xuñez Ernesto Acosta Felix Andrades

ROLL OF HONOR
DEPARTMENT OF THE INTERIOR PERSONNEL IN THE
MILITARY SERVICE.

Digitized by the Internet Archive in 2025 with funding from University of Illinois Urbana-Champaign Alternates

354.7295 P8381 1992/43

| the first show that the first | Pages |
|--|--------------|
| Personnel | - 7-8 |
| Commissioners of the Interior from 1900-1943 | _ 9 |
| Duties of the Commissioner of the Interior | _ 10 |
| Report of the Commissioner of the Interior | _ 11-19 |
| Division of Survey and Design of Highways, Roads and Bridges | _ 20-24 |
| Division of Construction and Inspection | _ 25-38 |
| Maintenance and Repair of Highways, Roads and Bridges | 39-49 |
| Division of Public Buildings and Municipal Works | _ 50-63 |
| Bureau of Public Lands, Archive and Aerial Map | 64-68 |
| Automobile and Traffic Bureau | 69-73 |
| Bureau of Mines | - 74-76 |
| Bureau of Docks and Harbors | 77-80 |
| San Juan Harbor Board | 81-87 |
| Engineering Division for Piers and Harbors | 88-91 |
| Muñoz Rivera Park Commission and Service of Parks and Recreation. | 92-100 |
| Division of Accounts and Disbursements | _ 101-102 |
| Isabela Irrigation Service | 103-138 |
| Tables and Diagrams of the Irrigation System—(Tablas y Diagrams | ıs |
| del Sistema del Riego) | 141–150 3 |
| The state of the s | |
| no. | |
| | |
| 4º | |
| la | |
| ph he | |
| 5/2.401 | |
| p/r401 | |
| Det 101 . O. s. | |
| ding. 19479 | |
| of the same | |
| 4N46 disig. 1947/43-1944/42 | |



September 22, 1943.

THE HONORABLE,
THE GOVERNOR OF PUERTO RICO,
San Juan, Puerto Rico.

DEAR SIR:

Complying with the provisions of the act of the United States Congress, entitled "An Act to provide a civil government for Puerto Rico and for other purposes", approved March 2, 1917, I have the honor to submit for your consideration the annual report for the fiscal year ended June 30, 1943, concerning the work accomplished by the Department of the Interior.

Sincerely yours,

SERGIO CUEVAS,

Commissioner.

5

DEPARTMENT OF THE INTERIOR

PERSONNEL

1942-1943

| OFFICE OF THE | COMMISSIONER |
|-------------------------------------|--------------------------------|
| Commissioner | Sergio Cuevas. |
| Assistant Commissioner | _FRANK RULLÁN. |
| Administrative Officer | José Fidalgo Díaz. |
| Secretary | CONCHITA CARMINELY. |
| Counsel | |
| BUREAU OF PU | UBLIC WORKS |
| Superintendent | |
| Assistant Superintendent | |
| rissistant superintendent ========= | |
| DIVISION OF SURVEY AND DESIGN O | F HIGHWAYS ROADS AND BRIDGES |
| Principal Designing Engineer | |
| Senior Highway Engineer | CECILIO DELGADO. |
| DIVISION OF CONSTRUC | TION AND INSPECTION |
| Engineer Director | RODULFO DEL VALLE. |
| Principal Engineer | |
| | |
| DIVISION OF MAINTENANCE AND | |
| Engineer Director | |
| General Inspector | José H. Méndez. |
| DIVISION OF PUBLIC BUILDIN | GS AND MUNICIPAL WORKS |
| Civil Engineer Director | CARLOS A. MOLINA. |
| Associate Civil Engineer | Guillermo J. Fernández. |
| Assistant Architect | FIDEL SEVILLANO. |
| Superintendent of Public Buildings | CAMILO GONZÁLEZ. |
| DIVISION OF PUBLIC I | ANDS AND ARCHIVES |
| Chief | ARMANDO MORALES CANO. |
| Assistant | |
| TABLE OUT | |
| DIVISION OF AUTOMO | |
| Acting Chief | _SAMUEL ANGELÍ. |
| BUREAU O | F MINES |
| Director | MARTÍN LÓPEZ SANABRIA (Acting) |
| Mining Engineer | · 0/ |
| 0 | |

DIVISION OF HARBORS AND DOCKS

| Chief of Division and | Captain of the Port | MANUEL | HENRÍQUEZ. |
|-----------------------|---------------------|--------|------------|
| Assistant | | | |

OFFICE OF THE AERIAL TOPOGRAPHIC MAP

| Chief | Engineer | ENRIQUE | G. | RUBIO. |
|-------|----------|---------|----|------------|
| Draft | sman | BARTOLO | Η. | Rodríguez. |

ISABELA IRRIGATION SERVICE

| Director a | nd Chi | ef Enginee | r | | ORLANDO | R. MÉNDEZ. |
|------------|--------|------------|-----|----------|----------|-------------|
| Assistant | Chief | Engineer | and | Superin- | | |
| tendent. | | | | | Domingo | Panaíni. |
| Electrical | Superi | ntendent | | | HERMINIC | NIGAGLIONI. |

DIVISION OF ACCOUNTS AND DISBURSEMENTS

| ChiefLuis A. | CUEVAS. |
|------------------|----------------|
| AssistantEDUARDO | ORTIZ GINORIO. |

SAN JUAN HARBOR BOARD

| ChairmanSergio Cuevas. |
|--|
| TreasurerLuis M. Guillermety (Acting). |
| SecretaryFrancisco Pereda. |
| Chief EngineerLuis M. Guillermety. |

COMMISSION AND SERVICE OF PARKS AND RECREATION

| Director _ | MIGUEL | ME | LÉNDEZ | ORTIZ. |
|------------|----------------|----|--------|--------|
| Assistant | DirectorMIGUEL | A. | BARASO | RDA. |

WAR EMERGENCY PROGRAM

Superintendent, Bridle Path Projects......Domingo Grillasca. Superintendent, Municipal Projects......Luis Sugrañes.

INSULAR SEWERAGE SERVICE

Executive Director _____JACINTO URBINO.

COMMISSIONERS OF THE INTERIOR 1900—1943

| Names | Appointed | Ceased |
|--------------------|-----------------|---------------|
| William H. Elliot | June 15 1900 | Feb. 8, 1905 |
| John Stuart Elliot | Feb. 9, 1905 | Oct. 24, 1905 |
| Laurence H. Graham | Nov. 4, 1905 | Jan. 5, 1910 |
| John A. Wilson | Jan. 19, 1910 | Jan. 18, 1914 |
| Manuel V. Domenech | Sept. 17, 1914. | Feb. 17, 1918 |
| Guillermo Esteves | Feb. 18, 1918 | Oct. 31, 1921 |
| John A. Wilson | Nov. 1, 1921 | April 25, 192 |
| Guillermo Esteves | April 26, 1923. | May 31, 1932 |
| Prancisco Pons | June 1, 1932 | July 1934 |
| Manuel Egozoue | Aug. 4, 1934 | July 8, 1935 |
| José Enrique Colom | Aug. 9, 1935 | April 7, 1941 |
| Sergio Cuevas | April 8, 1941 | To-date |

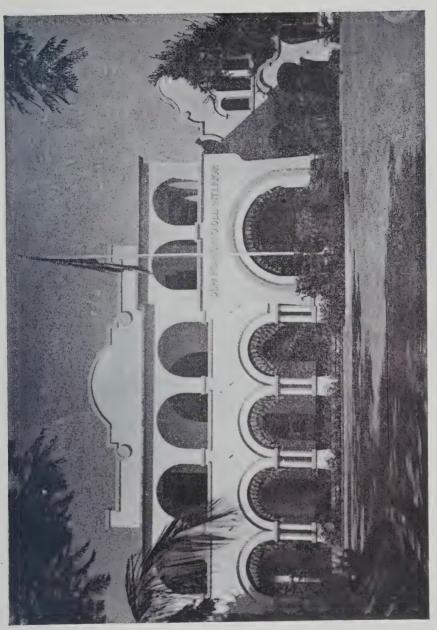
DUTIES OF THE COMMISSIONER OF THE INTERIOR

In addition to his specific duties in connection with the Department of the Interior, the Commissioner of the Interior is an ex-officio member of the following commissions:

Executive Council. Supply Committee. San Juan Harbor Board. Amusements and Sports Commission. Board for the Preservation of Historial Relics. Committee on Prevention Against Accidents. Parks Commission. Park Commission, Aguadilla. Land Authority. Puerto Rico Water Resources Authority. Isabela Irrigation Service Commission. Transportation Authority. Communications Authority. War Emergency Council. Arecibo Harbor Authority. Insular Sewerage Service Comission.

He is by appointment of the Governor a member of the following commissions:

Board of Trustees, Carnegie Library. Civil Defense Committee.



Sergio Cuevas Bustamante, Commissioner of the Interior. DEPARTMENT OF THE INTERIOR BUILDING, SANTURCE, ACQUIRED BY PURCHASE FROM THE BLANCHE-KELLOGG INSTITUTE, JULY 1942.



REPORT OF THE COMMISSIONER OF THE INTERIOR Fiscal Year 1942-1943

SUMMARY OF YEAR'S WORK

The duties of the Commissioner of the Interior, as prescribed in Section 16 of the Organic Act for Puerto Rico, are as follows:

"The Commissioner of the Interior shall superintend all works of a public nature; is in charge of all public buildings, grounds and lands, except those belonging to the United States, and shall execute such requirements as may be imposed by law in regard thereto, and perform such other duties as may be prescribed by law."

In addition to other provisions of the Organic Act, the Commissioner is a member of the Executive Council, and by provision of Insular Laws, ex-officio member of many government boards, commissions and authorities. He is also member of other government boards and commissions by appointments made by the Governor.

His membership in all these boards, commissions and authorities, involves the employment of much of his time and attention in the solution of problems and the performance of duties connected therewith, to the detriment of his incumbencies as Commissioner of the Interior.

The Department of the Interior carried out the activities prescribed by Law during the fiscal year 1942–43 under very pressing conditions brought about by restrictions imposed by the present war. Scarcity of materials and the lack of trained technical personnel delayed to a considerable extent the development of construction works, thus diminishing the possibilities of offering employment to our laborers. A considerable number of laborers were unemployed on account of the slowing down of the local industries, which in peace time, employed thousands of men. These men could not be otherwise employed as there are no war industries on the Island.

Notwithstanding these facts, the Department of the Interior was able to carry out construction works of a varied nature representing an expenditure of about \$4,500,000 out of Insular Funds. The expenditure of such an amount by the Insular Government offered opportunity to several thousands of laborers to earn their living during the year 1942–43, during which an expanded construction

program was carried out in close cooperation with federal agencies such as WPA and PRA. It is estimated that the combined effort of the Insular Government and the federal agencies represents an expenditure of almost \$12,000,000 for public works.

Besides the normal activities of this Department our personnel was at all times giving a most generous and decided cooperation to the Civil Defense, to the Armed Forces and to other departments of the Insular and Municipal governments.

All matters related to public works of the War Emergency Program, such as the construction of bridle paths, public buildings, repairs to roads, water-supply systems and other municipal works are being attended to by this Department in addition to our regular duties. It is estimated that the total amount involved in these projects is about \$2,000,000.

Although the program of public works was hampered by the difficulties experienced in obtaining materials and equipment, as well as technical personnel, the achievements of this fiscal year compare favorably with those of previous years.

BUREAU OF PUBLIC WORKS

As provided by law, the Bureau of Public Works is under the direction of a Superintendent, who is in charge of the surveying, construction and maintenance of public roads and bridges, harbors and docks and public buildings. This work is carried out by means of five divisions as follows:

Division of Survey and Design.

Division of Construction and Inspection.

Division of Maintenance of Roads and Bridges.

Division of Public Buildings and Municipal Works.

Division of Engineering for Harbors and Docks.

Each office is under the direction of an engineer, who, under the supervision of the Superintendent, performs all duties imposed on him by law, and, in addition, carries out the work assigned to him from time to time by the Commissioner.

ROADS AND BRIDGES

The Division of Survey and Design of Public Roads, completed during the year the survey of 68.7 kilometers of municipal or secondary roads and of 20.6 kilometers of main highways. Designs were completed for the construction of 32.8 kilometers of insular highways

at an estimated cost of \$1,122,000; of a grade separation project at Highway No. 2, with an estimated cost of \$104,000; of 110.8 kilometers of secondary roads estimated at \$1,810,000 and of a mayor structure across the Cibuco River estimated at \$129,000. Projects thus prepared represent an estimated investment in improvements amounting to \$3,165,000.

Total expenditures in survey and design were only \$130,964.41, or about 4 per cent of the total estimated cost of the projects.

Road construction is an old item in the history of public works in Puerto Rico. The first known effort towards this end, dates back to 1771 when engineers of the War Ministry of the Crown of Spain started construction of the "Carretera Central" from San Juan to Ponce. Work on this important highway was completed during the the last quarter of the nineteenth century, 1886, at a total cost of \$1,879,340 "pesos."

During the Spanish régime, there were built 253.6 kilometers of road, an average of .6 kilometers per year. As a tribute to the engineers who designed and constructed roads during the Spanish ruling, it is worthy of note that, among them, the portions of "Carretera Central" between Caguas and Coamo, and Road No. 4, between Cayey and Guayama, stand out as two splendid engineering works which are a credit to the engineers in charge of their survey and construction.

After the Treaty of Paris, which ended the Spanish-American War, the United States took sovereignty over Puerto Rico. Construction of new roads was immediately started and pushed actively to the present date; therefore having completed 2,746 kilometers in a period of 43 years. Average construction has been 60 kilometers per year or one hundred times the average obtained during Spanish days.

Road construction since Pearl Harbor has been expensive, slow and difficult; war has required the work to be done under conditions never before faced by the highway industry. Materials essential to modern construction and maintenance methods became so scarce that they could be obtained only under a strict system of priorities. Machinery and equipment used for construction and maintenance operations has been difficult or impossible to get.

The Department of the Interior, through its engineering staff and with the cooperation of the Federal Public Works Administration, has studied the situation, finding in many cases, adequate solutions.

During construction operations, radical changes in design to conserve critical materials, had to be adopted with resultant increases in cost and delays in completion.

Nevertheless, sixteen federal aid projects and 37 secondary road projects, the cost of which was defrayed with insular funds obtained from the gasoline tax were in operation during the year. The Work Projects Administration did splendid work on Road No. 2, San Juan-Punta Borinquen and has contributed very generously to the program of improvements to our main highway and in the construction of 12 secondary road projects. Works in progress during the year amounted to \$3,487,974, the expenditures during the same period being \$2,493,359.72. The total length of secondary and municipal roads under construction was 53.1 kilometers and of main highway, principally road No. 2, 55.91 kilometers.

Highway maintenance, according to the definition of the Public Roads Administration is the "preserving and keeping of each type of roadway, roadside, structure and facility, as near as possible to its original condition as constructed or as subsequently improved, and the operation of highway facilities to provide satisfactory and safe highway transportation."

During the years in which the present highway transportation system has been built up, the scope of maintenance and operation services has been greatly expanded. Beginning with the basic duties of upkeep and repair of roads and structures, these terms have come to include keeping the roads open in heavy rainy seasons, protecting traffic, promoting highway travel by creating convenient and attractive facilities and services along the roadside. Most of these highway services, are responsibilities of the Highway Maintenance Division.

Under ordinary conditions, pavement maintenance consits largely of patching and occasional repair of damage caused by the failure of the subsurface material. Early in the fiscal year and then again in May and June, extraordinary heavy rains caused very serious break ups and, roads in many parts of the island, were seriously damaged.

War imposed additional responsibility on maintenance in some sections of the island. In some cases, roadways have been kept in condition for their vitally important traffic by intensified maintenance operations; in others, it was necessary to almost reconstruct the surface.

This condition has contributed heavily to increasing maintenance cost during the year. Expenditures amounted to \$1,571,000, an average of \$500 per kilometer.

Añasco Bridge Injunction

On July 23, 1940 the Commissioner of the Interior and the Superintendent of Public Works entered into a contract with Mr. Tomás Carro, as contractor, for the construction of a bridge over the Añasco River (Project FAP-3 (1) Mayagüez-Añasco Road) at a cost of \$197,362.25. By the terms of the contract the date of August 9, 1942 was set forth for the completion of the work. Notwithstanding our effective cooperation to avoid the inconveniency brought forth by war conditions, progress was excessively slow and in spite of extensions granted, by the end of the year 1942, only 81 per cent of the job had been performed.

Taking in consideration the urgently needed completion of this Bridge and in accordance with Section 7 of the Contract, the Commissioner took charge of the work without annulling the Contract and at the contractor's expense.

An injunction was filed by the contractor against the Commissioner and the Superintendent of Public Works, on February 9, 1943 and a Court issued a restraining order forbidding them to take charge of the work unless the contract was previously liquidated. The Department of Justice, assisted by our Service of Claims appeared for the defendants. The case was tried and definitely submitted and is still pending a decision.

PUBLIC BUILDINGS AND MUNICIPAL WORKS

This Division is in charge of construction and maintenance of public buildings and of the design and supervision of municipal works.

The estimated value of present insular public buildings is about \$10,000,000. Some of our public buildings were built two hundred years ago and others of more recent and modern construction, need constant and expensive repairs. The appropriation of \$125,000 a year for repair and maintenance of public buildings is, by far, inadequate. It is estimated that an amount of \$2,000,000 will be necessary to restore our present buildings to their original conditions.

Fifty-six school buildings, owned by municipalities, were repaired at a cost of \$200,000.

New school facilities were built or contracted for in the amount of \$250,000. Other new structures such as fire stations, office buildings, etc., representing a value of \$455,936, were either built or started.

The offices of the Department of the Interior were moved to its new building at Stop $22\frac{1}{2}$, Ponce de León Ave., which was purchased at a cost of \$150,000.

Technical assistance was given to municipalities in the study and solution of local engineering problems and rural water supply systems were installed in several municipalities.

BUREAU OF PUBLIC LANDS AND ARCHIVES

Shortly after the discovery of Puerto Rico by Cristopher Columbus, in the year 1493, the Crown of Spain, by Act of Conquest, took possession of all the lands and mineral resources of the island. To Juan Ponce de León, as first Governor of Puerto Rico and his followers was imposed the task of colonizing the island with white people from the mother country, as the island was only inhabited by Indians. As an incentive to the prospective colonizers, the Government of Spain issued a proclamation allowing some of the settlers the right to usufruct the land and to others the right of common use of farms for agricultural and grazing purposes.

In the first case, lands were granted directly to the people who established themselves on the land; such farms were called "Hatos", while on the second case, in which no rights were granted, and the lands were for the common use of all surrounding neighbors, the denomination given was "Ejidos."

By royal decree of the year 1778, King Charles III of Spain, ordered that all lands belonging to the Crown be surveyed and subdivided into small tracts for distribution among the largest possible number of families, the object of such decree being to prevent ownership of very large estates by a few people. This was the first known attempt in the history of Puerto Rico to establish a policy by limiting the area that could be owned by a single family.

This policy was not successful at the time nor thereafter, and concentration of former public lands continued in the years to follow to the extent so well known to all the people of the Island.

In December 28, 1818, the Board for Distribution of Vacant Public Lands ("Junta de Repartimiento de Terrenos Baldíos"), was organized to grant concessions of public lands with the limiting proviso that the beneficiaries had to cultivate not less than half of

the area granted. If this stipulation was not fulfilled, the concession was cancelled at the end of ten years.

At the time of the American occupation of the Island most of its area belonged to private owners, acquired by concessions or transfer.

The task of policing public lands to prevent the construction thereon of squatter's houses, was carried out during the year. It is deemed necessary to enact a new law to assure safe operation of the purpose.

SERVICE OF CLAIMS AND LEGAL ASSISTANCE

This service is under the direct jurisdiction of the Commissioner. Claims were investigated and studied, cases were presented before the Civil Service Commission, the Public Service Commission and Insular Courts. Many cases involving legal questions were cleared and assistance was given to all the Chiefs of Bureaus and Divisions in matters of right-of-way, court procedures and interpretation of laws.

INSULAR TELEGRAPH

The Bureau of the Insular Telegraph and Telephone, which since the establishment of the Civil Government in 1900 was attached to the Department of the Interior, was transferred in December 1, 1942, to the recently created Communications Authority.

BUREAU OF AUTOMOBILES AND TRAFFIC

A new system for issuing license certificates for the operation of motor vehicles, was put into effect with satisfactory results.

A total of 28,156 vehicles were registered; collections for the year amounted to \$889,168.48, as against \$906,265.81 for the previous year.

HARBORS AND DOCKS

Vessels entering the various ports of the Island during the year yielded fees for a total of \$95,740.75.

The San Juan Harbor Board operated normally and after paying for all its expenses, covered a substantial balance into the trust fund. The Engineering Division of the Board completed all plans for the Arecibo Harbor Improvements where construction operations will be started early in August.

I am pleased to inform that the financial conditions of the San Juan Harbor Board are excelent. Receipts for the year were \$126,841.79; disbursements, \$81,477.21. Present cash surplus amounts to \$246,443.51.

Muñoz Rivera Park

COMMISSION AND SERVICE OF PARK AND RECREATION

Park movement is a full and positive contribution to the cultural development in the island. Back in the year 1919, park facilities were only for the benefit of the city of San Juan.

At present and by virtue of new acts created by the Legislature, park movement has been spread throughout the island. A wide program for cultural and public recreational activities is being developed.

ISABELA IRRIGATION SERVICE

Operating results of this Organization for the fiscal year ending June 30, 1943, were satisfactory and the prospective view for the coming year is very promising.

Production of electric energy in the district amounted to 9,692,720 Kw. Hrs., showing an increase of 1,942,600 Kw. Hrs. over the previous year. Only 114,500 Kw. Hrs. were purchased at the interconnection.

Total power generated and purchased amounted to 9,807,220 Kw. Hrs., or 229,547 Kw. Hrs. over last year.

Energy delivered to consumers in the district amounted to 5,361,115 Kw. Hrs. and energy sold at the interconnection was 2,903,034 Kw. Hrs. Total gross sale amounted to \$259,288.07.

New extensions and constructions were limited by War Production regulation.

Work on the construction of Power Plant No. 3 was initiated during the past fiscal year.

A total of 83,151 acre-feet of water were drawn from the Guajataca Reservoir in order to meet the requirement for the production of electric energy. The run-off into the reservoir was 84,995 acrefeet, exceeding the draft by 1,844 acre-feet; but about 7,000 acrefeet had to be wasted during the floods of October and November, 1942, and its was necessary, therefore, to draw about 5,160 acre-feet from the storage available in the Reservoir at the beginning of the fiscal year under review to meet the generating demand.

Out of the total volume of water dawn from the reservoir only 2,245 acre-feet were delivered for irrigation purposes, under provisions of Law No. 178 of May 14, 1941, and 184.20 acre-feet were sold under direct orders with a cash value of \$426.05. Water delivered for municipal waterworks and for domestic and industrial purposes amounted to 3,180 acre-feet with a cash value of \$13,875.37.

WAR EMERGENCY PROGRAM

All activities of the War Emergency Program related with public works are being handled by this Department. Repairs to buildings, construction of streets, sewers, schools, bridle paths, roads, etc., brought an unusual amount of work to our reduced organization. There were employed, at the peak of activities, about 12,000 laborers on the basis of two days a week.

ACCOUNTS AND DISBURSEMENTS

This was a record year for the division. A total of \$6,927,690.47, was disbursed by vouchers and payrolls covering activities of the Department.

Important changes and promotions made in the personnel of the Department of the Interior, Fiscal Year 1942-43:

- 1. Mr. Luis A. Cuevas was promoted from Asst. Director, Disbursing Officer to Director, Division of Property, Accounts and Disbursements, March 1, 1943.
- 2. Mr. Salvador V. Caro, was promoted from Resident Engineer to Supervising Engineer, Division of Municipal Roads, April 1, 1943.
- 3. Mr. Julio García Valdediós was promoted from Chief Clerk to Accountant, Division of Municipal Roads, April 1, 1943.
- 4. Mr. Jacinto Urbino was transferred from the position of Associated Civil Engineer, Bureau of Public Works to Executive Director, Insular Sewerage Service Board, May 1, 1943.
- 5. Mr. Miguel A. Barasorda was appointed Asst. Director of Muñoz Rivera Park, Sept. 1, 1942.
- 6. Mr. Samuel Angelí Sánchez was promoted from Mech. Engineer, Bureau of Public Works to Asst. Director, Bureau of Automobile and Traffic, July 1, 1942.
- 7. Mr. Enrique Arana was promoted from General Inspector, to Civil Engineer Director, Division of Maintenance of Roads and Bridges, July 1, 1942.

Respectfully,

Sergio Cuevas, Commissioner of the Interior.

DIVISION OF SURVEY AND DESIGN OF HIGHWAYS, ROADS & BRIDGES

The Division of Survey and Design of Highways, Roads and Bridges carried out its activities with greatly reduced personnel attending to urgent necessities created by the war emergency, which made imperative heavy survey and design work on road projects for immediate construction to aid in relieving unemployment caused by the reducation of local industrial activities in the Island.

SURVEY AND DESIGN

The work performed during the year may be summarized as follows:

The surveying parties engaged in road and highway location completed the survey of 68.72 kilometers of municipal roads and 20.59 kilometers of main highways. Topographical surveys and tests borings were made to obtain data for the design of structures and foundations on two bridge projects.

The following tables give a detailed information of the survey work performed during the year:

Table No. 1 SURVEY OF INSULAR HIGHWAYS

| Road No. | Section | Length Km. | Remarks |
|---|--|--|--|
| 1-5. 1-47. 2. 3. 51. 48. | Guayama-Carite Caguas "By Pass". Cayey "By Pass". Vega Alta "By Pass". Arroyo "By Pass". Ponte-Jayuya. Aibonito-Cayey-Salinas. Casablanca-Orocovis. | 1. 89 2. 24 1. 80 1. 58 1. 10 2. 40 | By Pass connecting Insular Roads 1 and 47 Preliminary Survey |

TABLE NO. 2 SURVEY OF MUNICIPAL ROADS

| Road | Municipality | Length Km. |
|---|---------------------------|-------------------------|
| Mavi | . Jayuya | 3. 55 2. 20 |
| Rancheras Palo Hincado Central | Barranquitas | 2. 03 2. 00 3. 82 |
| Pastos. La Prieta. Mariana. | | 1. 13 2. 73 1. 85 |
| Llanes Tuna Mambiehe. Cercadillo. | Cabo Rojo . Hudiacao . | 3. 01 2. 70 3. 15 |
| Cupey Alto. Boquillas. Canovanillas | Río Piedras | 3, 45 8, 00 1, 40 |
| Jobos. Tea. Indiera Alta. | Lajas | 3. 83 3. 00 2. 67 |
| La Jagua. San Antonio. Ceiba Sur | Caguas | 2. 88 3. 59 2. 07 |
| Aceituna Miraflores Arrozal María Antonia | Moca. Arecibo. | 1. 24 3. 17 2. 00 |
| Quebrada Arenas | Vega Baja | 3. 01 0. 24 |
| Total | | 68. 72 |

Table No. 3
SURVEY OF GRADE CROSSING ELIMINATION PROJECTS

| Road No. | Section | Location | Type | Length Km. | Remarks |
|-------------|---------------------|----------|----------|------------|------------|
| 2 | Vega Alta-Vega Baja | Km. 41.2 | Overpass | 0. 920 | Relocation |

BORINGS

In order to have a clear idea of the nature of the subsoil before making desings of foundation structures, it is indispensable to perform borings to determine the character of the foundation materials.

Table No. 4 shows the footage of borings performed during the year:

TABLE No. 4 BORINGS

| Stream | Project | Footage of Borings Performed |
|----------------|---------------------|------------------------------------|
| Santiago River | Naguabo-Juncos Road | 198 169 |
| Total | | 367 |

DESIGN

The Designing Section was actively engaged in the preparation of projects for the completion of the San Juan-Punta Borinquen Highway and of the Secondary Road Projects scheduled for construction during the year.

Plans and specifications for projects on the San Juan-Punta Borinquen Highway were redesigned to cooperate with the War Effort by reducing substantially the use of materials listed as critical.

The following tables contain a detailed information of the work accomplished during the year:

TABLE NO. 5
INSULAR HIGHWAYS PROJECTS PREPARED

| Road No. | Project | Section or Municipality | Length Km. | Estimate |
|--|--|--|---|--|
| 2 62 26 2 48 1-5-15 33 | SN FAP 8H (I).' Guayama-Carite Utuado-Florida. Vega Alta By Pass. Albonito-Cayey. Caguas By Pass. Hatillo-Bayaney. Arroyo By Pass. | Hatillo-Camuy. Santurce-Bayamón. Guayama Utuado. Vega Alta-Vega Baja. Albonito-Cayey-Salinas. Caguas. Hatillo. Arroyo. | 4. 95 0. 45 3. 63 2. 01 0. 77 2. 38 1. 49 3. 02 1. 89 | \$108, 190 28, 000 72, 600 45, 000 13, 860 52, 500 45, 000 54, 000 52, 000 |
| 2 2 28 | | Santurce. Vega Alta-Vega Baja. Vega Alta-Vega Baja. Naguabo-Juncos. | 2. 83 2. 39 2. 60 4. 37 | 75, 200 165, 980 227, 040 183, 123 \$1, 122, 493 |

Table No. 6
DESIGN OF GRADE CROSSING ELIMINATION PROJECTS

| Read No. | Projects | Section | Length Km. | Estimate |
|-------------|------------------|---------------------|---------------|------------|
| 2 | SN FAGH 30 D (1) | Vega Alta-Vega Baja | 0. 920 | \$104, 520 |

TABLE No. 7 PROJECTS FOR MUNICIPAL ROADS

| Road No. Road | | Municipality | Length Km. | Estimate |
|------------------|---------------------|---------------|---------------|--------------|
| 1 | Achiote | Naranjito | 2, 00 | \$34, 000. 0 |
| 2 | Cortés | Manati | 3, 56 | 56, 960. 0 |
| 3 | Guayabotas | Yabucoa | 5, 62 | 95, 540. 0 |
| 4 | Herrerías | Las Marías | 2. 82 | 45, 120. 0 |
| 5 | Jacaboa. | Patillas | 2, 02 | 30, 300. 0 |
| 6 | Tanamá | Adjuntas | 2. 00 | 32, 000. 0 |
| 7 | Barrazas | Carolina | 2. 00 | 34, 000. 0 |
| 8 | Espino | Lares | 1. 59 | 28, 620. 0 |
| 9 | Humata | Añasco | 2.00 | 34, 000. 0 |
| 0 | Juan Martín | Luquillo | 2, 00 | 32, 000, 0 |
| 1 | Palos Blancos. | Corozal | 2. 00 | 36, 000. (|
| 2 | Pulguillas-Asomante | Coamo | 1.01 | 21, 050. (|
| 3 | Tibes | Ponce | 2, 00 | 32, 000. (|
| 4 | Quebradillas | Barranquitas | 2, 25 | 40, 500, 0 |
| 5 | Rabanal | Cidra | 2, 00 | 35, 000. |
| 6 | Pozas | Ciales. | 2. 05 | 36, 900. |
| 7 | Coahey | Jayuya | 2, 07 | 37, 260. |
| 8 | Perchas | San Sebastián | 2. 15 | 37, 925. |
| 9 | Hato Nuevo. | Guaynabo | 1, 69 | 31, 265. |
| 0 | Maví | Río Grande | 3, 36 | 59, 472. |
| 1 | Rosario | Mayagüez | 3, 06 | 52, 020. |
| 2 | Quebrada Infierno | Trujillo Alto | 3, 06 | 52, 020. |
| 3 | Aguas Buenas-Cidra | Aguas Buenas | 3, 05 | 51, 850. |
| 4 | Palo Hincado | Barranquitas | 2. 19 | 38, 544. |
| 5 | Guilarte | Adjuntas | 6. 30 | 21, 050. |
| 6 | Montones | Las Piedras | 1.00 | 16, 000. |
| 7 | Puertos | Camuy | 2.00 | 26, 000. |
| 8 | Cacao | Orocovis | 2. 10 | 37, 800. |
| 9 | Cerro Gordo | San Lorenzo | 4, 27 | 76, 860, |
| 0 | Cedro | Cayey | 4.04 | 72, 720. |
| 1 | Serrano | Toa Alta | 4. 24 | 76, 300. |
| 2 | Pastos | Morovis | 2. 13 | 40, 470. |
| 3 | Llanos Tuna | Cabo Roio | 3. 01 | 51, 000. |
| 4 | Maguayo | Dorado | 2. 60 | 41, 600. |
| 5 | Cercadillo | Cayey | 3, 15 | 56, 700. |
| 6 | La Prieta. | Comerío | 2, 40 | 45, 000. |
| 7 | Mambiche | Humacao | 2. 02 | 30,000. |
| 8 | Jobos. | Isahela | 3. 83 | 61, 280. |
| 9 | Teas. | Lajas | 3.00 | 47, 000. |
| 0 | Muñoz Rivera. | Patillas | . 6 18 | 111, 240. |
| 1 | Tetuán | Utuado | 1.00 | 15, 000. |
| | | | | ! · |
| | Total | | 110, 82 | \$1,810,366. |

TABLE NO 8 DESIGN OF BRIDGES

| Road No. | Project | Stream | Span Length Meters | Estimate |
|-------------|-----------------|--------------|--------------------------|-----------|
| 2 | SN FAP 30 E (1) | Cibuco River | 65. 75 | \$129,000 |

TABLE No. 9 ESTIMATED COST OF PROJECTS PREPARED BY THE DIVISION

| Classification | Project | Length Km. | Estimate |
|---|---------|---------------------------|--|
| Insular Highways. Municipal Roads. Grade Crossings. Bridges. Total | | 110. 82 0. 92 0. 83 | \$1,122,493.00 1,810,366.00 104,520.00 129,000.00 \$3,166,379.00 |

EXPENDITURES

| The total | expenditures | of | the | Division | during | this | year | were | as |
|-----------|--------------|----|-----|----------|--------|------|------|------|----|
| follows: | | | | | | | | | |

| Design | Sect | ion | miscellaneous | \$67, 667. 62 58, 486. 67 4, 809. 12 |
|--------|------|-----|-------------------|--|
| | | | | \$130, 963. 41 |

DIVISION OF CONSTRUCTION AND INSPECTION

I.—History of Federal Aid.

Federal aid for highways construction was extended to the Island of Puerto Rico in accordance with amendments to the Federal Highway Act of July 11, 1916, effective July 1, 1937.

The Island of Puerto Rico accepted the Federal aid amending the act levying the tax on gasoline apportioning the revenues from this source to meet the expenditures entailed in the proposed road construction program. This act is known as Gasoline Act No. 143 approved in May 15, 1937.

The first program of Highways Roads and Bridges submitted for approval to the Public Roads Administration included the following roads and bridges:

Martín Peña Channel Bridge.

Widening of Martín Peña-Río Piedras Road.

Jacaguas River Bridge. Añasco River Bridge.

Grading and Asphalt Surfacing of Utuado-Jayuya Road. Grading and Asphalt Surfacing of Añasco-San Sebastián Road.

Grading and Asphalt Surfacing of Orocovis-Coamo Road.

Grading and Asphalt Surfacing of San Lorenzo-Patillas Road. Grading and Asphalt Surfacing of Miradero Secondary Road, Mayagüez.

Grading and Asphalt Surfacing of Carmen Secondary Road, Guavama.

Grading and Asphalt Surfacing of Aguas Buenas-Guaynabo Secondary Road.

Garding and Asphalt Surfacing of Candelaria Secondary Road, Vega Alta.

Grading and Asphalt Surfacing of Hatillo-Utuado Secondary Road.

Of this program, comprising sixteen projects of primary roads and five projects of secondary roads, only one has not been completed, the Añasco River Bridge.

The Grade Crossing Elimination program included the following projects:

Santurce-Bayamón Road. Quebradillas-Isabela Road. Isabela-Aguadilla Road. Mayagüez-San Germán Road. Barceloneta-Hatillo Road. These were approved for construction as of October 14, 1937, and, on this date all of them have been completed.

The road improvement construction and grade crossing elimination programs with Federal Aid were modified and supplemented since 1938 to the extent that 86 projects were included, of which 43 of primary roads, 15 of feeder roads and 8 of grade crossing elimination were completed up to June 30, 1942 as set forth in the tables accompanying this report.

Early in 1943, the benefits of Section 4 of the Federal Highway Act of 1941, was extended to Puerto Rico, and this decision made eligible 12 projects of primary roads improvements which were under construction, for Federal Aid at the rate of 75 per cent instead of 50 per cent.

The amount of Federal Funds reapportioned to Puerto Rico under the amendment of Section 4 of the Federal Highway Act was \$461,305.57.

Road improvements during the fiscal year 1942–43 are fully explained in the table under the caption "Projects under construction" which is included as an exhibit of this report.

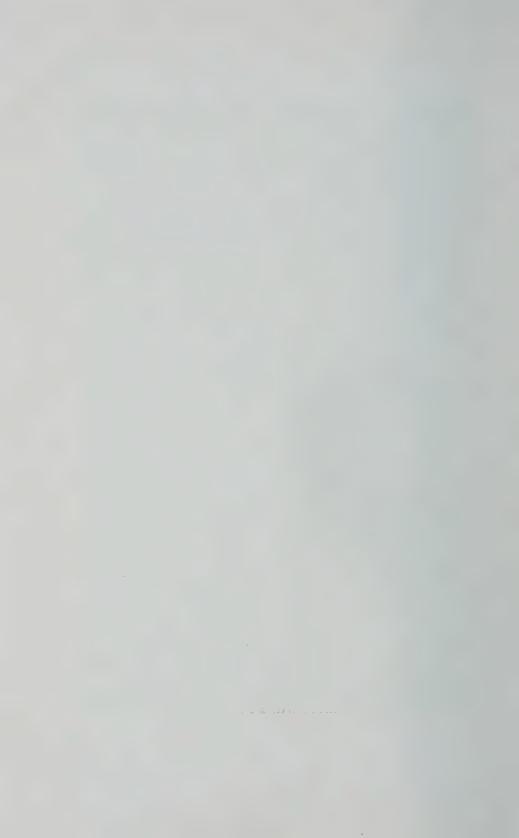
Federal Aid apportionments since 1938 are listed below:

| FOR SECONDARY RO | DADS | |
|------------------|---------------------------------------|---------------------|
| 1938 | \$125,000.00 | |
| 1939 | 121, 875. 00 | |
| 1940 | 73, 125. 00 | |
| 1941 | 73, 125. 00 | |
| 1942 | 86, 731. 00 | |
| Reapportionments | | |
| 1943 | 86, 352. 00 | |
| | | |
| Total | \$566 | , 762. 0 0 ⁵ |
| | | |
| FOR PRIMARY ROA | | |
| 1938 | · · · · · · · · · · · · · · · · · · · | |
| 1939 | | |
| 1940 | 487, 500. 00 | |
| 1941 | 560, 625. 00 | |
| 1942 | 495, 603. 00 | |
| Reapportionments | 4, 515, 00 | |
| 1943 | 493, 438. 00 | |
| | | |
| Total | ¢2 976 | 056 00 |



WIDENING AND RELOCATION OF ROAD No. 2, SANTURCE-BAYAMON SECTION, NEAR THE DISTRICT HOSPITAL.

Constructed by Force Account With Combined Insular and W.P.A. Funds.-Completed, November, 1943. Sergio Cuevas Bustamante, Commissioner of the Interior.





WIDENING AND RELOCATION OF ROAD No. 2, SANTURCE-BAYAMON SECTION, IN THE VICINITY OF CAPARRA SUBURBAN DEVELOPMENT.

Constructed by Force Account With Combined Insu ar and W.P.A. Funds.-Completed, November, 1943. Sergio Cuevas Bustamante, Commissioner of the Interior.



| 1938 | For Grade Crossing | S | |
|---|--|--|------------------------------------|
| 1940 | 1938 | \$369, 959. 00 | |
| 1941 | 1939 | 360, 341.00 | |
| 1942 | 1940 | / | |
| Reapportionments | 1941 | | |
| Total | 1942 | 166, 250. 00 | |
| Total | Reapportionments | , | |
| Total Federal Aid Funds | 1943 | 165, 506.00 | |
| The Insular Government matched and obligated Federal Funds as follows: To June 30, 1942 Feeder Roads | Total | | \$1, 438, 281. 00 |
| To June 30, 1942 Feeder Roads | Total Federal Aid Funds | | \$5, 281, 099. 00 |
| Primary Roads | follows: $\label{tollows} \mbox{To June 30, 1942}$ | | |
| Total | | | |
| Total\$4, 769, 647. 82 UNOBLIGATED FEDERAL FUNDS Feeder Roads\$230, 265. 72 Primary Roads\$281, 185. 46 Total\$281, 185. 46 Total\$511, 451. 18 \$5, 281, 099. 00 The Federal reimbursements received up to June 30, 1942 were: For Primary Roads\$1, 617, 050. 60 For Feeder Roads\$2, 341. 93 For Grade Crossings\$652, 107. 77 Total\$2, 597, 500. 30 The expenditures of the Insular Government during the same period: For Primary Roads\$2, 254, 850. 92 For Feeder Roads\$20, 199. 52 | · · · · · · · · · · · · · · · · · · · | | |
| UNOBLIGATED FEDERAL FUNDS Feeder Roads | | | |
| UNOBLIGATED FEDERAL FUNDS Feeder Roads | Total | \$4, 769, 647. 82 | |
| Primary Roads | | 'UNDS | |
| Grade Crossings 281, 185. 46 Total \$511, 451. 18 \$5, 281, 099. 00 The Federal reimbursements received up to June 30, 1942 were: For Primary Roads \$1, 617, 050. 60 For Feeder Roads 328, 341. 93 For Grade Crossings 652, 107. 77 Total \$2, 597, 500. 30 The expenditures of the Insular Government during the same period: \$2, 254, 850. 92 For Primary Roads 460, 199. 52 | | | |
| The Federal reimbursements received up to June 30, 1942 were: For Primary Roads\$1,617,050.60 For Feeder Roads\$28,341.93 For Grade Crossings\$652,107.77 Total\$2,597,500.30 The expenditures of the Insular Government during the same period: For Primary Roads\$2,254,850.92 For Feeder Roads\$460,199.52 | | | |
| For Primary Roads\$1,617,050.60 For Feeder Roads328,341.93 For Grade Crossings\$652,107.77 Total\$2,597,500.30 The expenditures of the Insular Government during the same period: For Primary Roads\$2,254,850.92 For Feeder Roads\$460,199.52 | Total | \$511, 451 18 | \$5, 281, 099. 00 |
| For Feeder Roads 328, 341. 93 For Grade Crossings 652, 107. 77 Total \$2, 597, 500. 30 The expenditures of the Insular Government during the same period: For Primary Roads \$2, 254, 850. 92 For Feeder Roads 460, 199. 52 | The Federal reimbursements received u | ap to June 30 |), 1942 were: |
| For Feeder Roads 328, 341. 93 For Grade Crossings 652, 107. 77 Total \$2, 597, 500. 30 The expenditures of the Insular Government during the same period: For Primary Roads \$2, 254, 850. 92 For Feeder Roads 460, 199. 52 | For Primary Roads | \$1,617, | 050, 60 |
| For Grade Crossings | | | |
| The expenditures of the Insular Government during the same period: For Primary Roads \$2,254,850.92 For Feeder Roads 460,199.52 | | 020, | 341.93 |
| period: For Primary Roads \$2,254,850.92 For Feeder Roads 460,199.52 | | | |
| For Feeder Roads460, 199. 52 | For Grade Crossings | 652, | 107. 77 |
| For Feeder Roads460, 199. 52 | Total The expenditures of the Insular Government of the Insular | 652, | 107. 77 500. 30 ing the same |
| For Grade Crossings 177, 561. 10 | Total The expenditures of the Insular Government of the Insular | 652, | 107. 77 500. 30 ing the same |
| | Total Total The expenditures of the Insular Gove period: For Primary Roads | 652, \$2,597, ernment duri \$2,254, | 107. 77 500. 30 ing the same |

Reimbursements in transit and value of completed projects pending liquidation (Probable Federal Share) \$202,283.46.

.___ \$2, 892, 611. 54

During the fiscal year 1942-43, expenditures on contracts pending liquidation and under construction were as follows:

| Federal Funds obligated: Primary RoadsGrade Crossings | |
|---|-----------------------------------|
| Total | \$1,969,864.06 |
| Reimbursements: Primary Roads \$711, Grade Crossings 253, | |
| Balance of Federal Aid to Cove | r Work in Progress \$1,004,403.90 |
| Funds set aside by the Insular Governmen Primary Roads Grade Crossings | \$1, 824, 971. 19 |
| Total | \$2, 032, 461. 19 |
| Expenditure incurred and paid for work inspection and Rights of Way: Primary Roads | 418.00 |
| | \$1,604,000.64 |
| Balance of Insular Funds M | |

Work Performed During the Fiscal Year Ending June 30, 1943
PROJECTS CONSTRUCTED UNDER CONTRACT

Out of the twenty contracts standing during the year, ten were completed and the remainder ten are at present under construction. Two of the latter projects, are being completed by force account and a third one, the Añasco River Bridge, was stopped by Court Action.

Delays in construction of projects were mainly due to the difficulty in obtaining materials, fuel, equipments and repair parts due to the present national emergency.

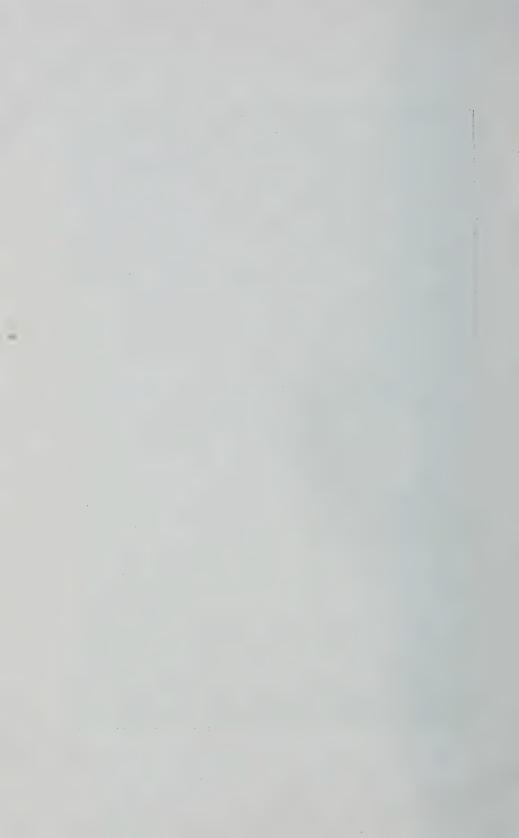
Detail information regarding these contracts follows:



THOROUGH CUT ON RELOCATION TO IN JULAR ROAD No. 2, "ESPINOSA HILL" YEAR 1943. KM. 27.1

Sergio Cuevas Bustamante, Commissioner of the Interior.

Contractor: Arturo Rivera.





RIO GRANDE DE LOIZA BRIDGE, --ROAD No. 23.--RIO PIEDRAS-TRUJILLO ALTO SECTION. COMPLETED, FEBRUARY 21, 1941.

José E. Colom, Commissioner of the Interior.

Robert R. Prann, Contractor.



FEDERAL AID PROJECTS

| SN FAP 27-A (1) "La Plata" river bridge. | |
|--|----------------|
| Contractor: Raul Gayá Benejam. | |
| Contract price \$255,075.50—Increased to | \$282, 539. 00 |
| Paid to contractor up to June 30, 1943 | 213, 502. 27 |
| Amount of work pending | 62, 877. 73 |
| Materials on site | 18, 198. 07 |
| Paid for indemnities | 3, 796. 00 |

This contract expired on November 20, 1942, was extend to April 10, 1943, and because of changes introduced to the project due to difficulties in obtaining critical materials, work is still under way. Increases in cost due to changes in design to economize critical materials.

| FAP 3-A (1) "Añasco" river bridge and approaches. | |
|--|----------------|
| Contractor: Tomás Carro. | |
| Contract price | \$197, 362. 25 |
| Paid to contractor up to January 11, 1943 | 158, 539. 89 |
| Amount of work pending | 38, 822. 36 |
| Paid for indemnities | 0.00 |
| Contract expired on August 9, 1942. | |
| Extended to October 18, 1942 and to January 7, 1943. | |

On January 14, 1943, the Superintendent of Public Works notified the contractor that because of his failure to complete his contract in time as extended, the Commissioner of the Interior would take charge of the work and finish it by force account as per Art. 7 of the contract. The contractor took the matter to Court, where decision is still pending. A restraining order against the Commissioner was issued.

| SN FAP 8-F (1) "Bayamón" river bridge. | |
|---|----------------|
| Contractor: Vicente Quilichini. | |
| Contract price—\$182,370.65—Reduced to | \$151, 777. 65 |
| Paid to contractor up to May 13, 1943 | 72, 789. 51 |
| Amount of work pending | 78, 988. 14 |
| Paid for indemnities | 0.00 |
| Contract expired on July 17, 1942. | |
| Extended to September 29, 1942, March 31, 1943 and June 30, 1943. | |

Delays in the work due to difficulty in obtaining delivery of structural steel.

| SN FAP 8-G (1) Hondo river bridge. | |
|---|---------------|
| Contractor: San Miguel, González y Valiente & Co. | |
| Contract price | \$86, 504. 00 |
| Total cost of work | 82, 496. 24 |
| Paid for indemnities | 680.00 |

This project was finally accepted on April 29, 1943.

FAGH 25-A (1) Hatillo-Quebradillas road 4.9816 kilometers (Elimination of railroad grade crossing).

Contractor: Julio Nigaglioni.

| Contract price \$118,800.50—Increased to | \$139, 888. 97 |
|--|----------------|
| Paid for indemnities | 13, 343. 00 |

This project was finally accepted and liquidated on February 2, 1943.

FAP 9-C (1) Barceloneta-Hatillo road 1.086 kilometers.

Contractor: Juan E. Casanova.

| Contract price \$96,349.55—Increased to | \$103, 517. 33 |
|---|----------------|
| Paid for indemnities | 8, 933. 90 |

This project was finally accepted and liquidated on February 7, 1943.

SN FAP 8-D (1) Santurce-Bayamón road 3.43 kilometers.

Contractor: Manuel Acevedo Rosario.

| Contract price \$175,556.20—Increased | to | \$197, 827. 92 |
|--|------|----------------|
| Paid to contractor up to January 31, 1 | 1942 | 150, 623. 08 |

Contract rescinded by mutual consent on March 1942 and the work completed by the Insular Department of the Interior by force account.

| Total | cos | t of | project | \$373, 38 | 4. 12 |
|-------|-----|------|---------|---------------|-------|
| Paid | for | inde | mnities | 27, 46 | 4.84 |

Increase due to changes made to improve project.

FAP 8-D (2) Santurce-Bayamón (Piedras river bridge).

All bids for the construction of this project were rejected and the work performed by the Insular Department of the Interior by force account.

| Total | cost o | f project | \$75, 705. 32 |
|-------|---------|-----------|---------------|
| Paid: | for ind | demnities | 5, 006. 40 |

"PROJECTS FINANCED WITH INSULAR FUNDS"

Garrochales Secondary Road-3.100 kilometers.

Municipality of Barceloneta. Contractor: Candelario Vera.

Contract price \$21,651.70—Reduced to______\$16, 809. 12
Paid for indemnities________830. 75

This project was finally accepted and liquidated on February 28, 1943.

| Leguísamo Secondary Road 3.600 kilometers. | |
|--|---------------|
| Municipality of Mayagüez. | |
| Contractor: José Pereyó. | |
| Contract price \$22,518—Increased to | \$26, 736. 77 |
| Paid for indemnities | 515. 50 |

This project was finally accepted and liquiated on September 30, 1942.

| Carrizal secondary road—5.41884 kilometers. | 1 |
|---|---------------|
| Municipality of Aguada. | |
| Contractor: Caribbean Engineering Company. | |
| Contract price \$53,512.50—Increased | \$53, 723. 50 |
| Paid to contractor up to February 26, 1943 | 38, 968. 32 |
| Amount of work pending | 14, 755. 18 |
| Paid for indemnities | 6, 836. 10 |

This contract was rescinded by mutual consent on February 26, 1943. This project is being completed by the Insular Department of the Interior by force account.

"Projects Under Construction by the Works Projects Administration on Insular Highway No. 2"

The Works Projects Administration undertook the construction of 88.85 kilometers of the Insular Highway No. 2 with the sponsorship of this Department, of which 59.73 kilometers have been completed up to June 30, 1943.

The cost of this road program to this date is as follows:

| Up to June 30, 1942: | |
|---------------------------------|---------------------|
| W.P.A. Funds | 8 |
| Sponsor's Funds 384, 613. 9 | 5 |
| | - \$3, 094, 543. 23 |
| During the present fiscal year: | |
| W.P.A. Funds\$2,719,303.0 | 1 |
| Sponsor's Funds 609, 766. 1 | 6 |
| | - 3, 329, 069. 17 |
| | |
| Total Expenditures | _ \$6, 423, 612. 40 |

The total funds expended by the Works Projects Administration total \$5,429,252.29 and the cost of the sponsor amounts to \$994,380.11. This gives a ratio of 5.45 to 1 with reference to apportionments of each agency.

The Insular Government has derived great benefits from the help offered by the Works Projects Administration as seen by this statement. The road improvements program under construction without the aid of this Federal Agency could not have been successfully accomplished by the Insular Government alone due to lack of funds.

FAP 8 Sec. 1-A, Sec. 1-B, and 8 Sec. II—Santurce-Bayamón Road.

At present, these three projects are practically completed, specially the first two; on the third project about 75 per cent of the total amount of work has been completed.

PAID FOR MATERIALS AND INSPECTION

| From beginning of project to June 30, 1942 | \$184, 855. 11 |
|--|----------------|
| During present fiscal year | 57, 432. 68 |
| | |
| Total | \$242, 287. 79 |
| Paid for indemnities | \$154, 130. 51 |

FAP 9 Sec. I-Barceloneta-Hatillo Road.

Work on this project is progressing satisfactorily, and at the end of the year the work done is about 80 per cent of the total amount.

PAID FOR MATERIALS AND INSPECTION

| From beginning of project to June 30, 1942 | \$34, 490. 40 |
|--|--------------------------------|
| During present fiscal year | 15, 603. 33 |
| Total | \$50, 093. 73 \$58, 976, 60 |

FAP 9 Sec. II-Barceloneta-Hatillo Road.

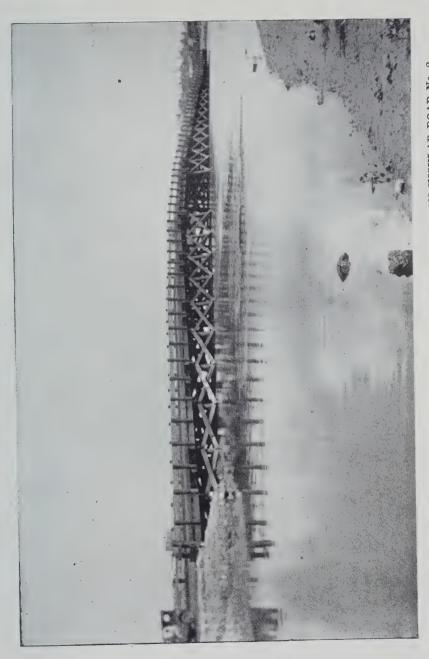
Work on this project is practically complete. There are a few minor details pending completion.

PAID FOR MATERIALS AND INSPECTION

| From beginning of project to June 30, 1942 | \$94, 298. 06 |
|--|----------------|
| During present fiscal year | 10, 877. 02 |
| | |
| Total | \$105, 175. 08 |
| Paid for indemnities | \$22, 971, 36 |

FAP 11 Sec. I and Sec. II-Quebradillas-Isabela.

The first of these two projects is now complete, and the second one is nearing completion.



Sergio Cuevas Bustamante, Commissioner of the Interior. TEMPORARY TIMBER BRIDGE ACROSS MARTIN PEÑA CHANNEL ON INSULAR ROAD No. 2 YEAR, 1943 KM. 1.65

PAID FOR MATERIALS AND INSPECTION

| From beginning of project to June 30, 1942 During present fiscal year | |
|--|---------------|
| Total | \$43, 870. 12 |
| Paid for indemnities | \$61, 133. 41 |

FAP 25 Sec. I-Hatillo-Quebradillas Road.

Up to December 1942 the progress of the work on this section was very poor, but during the latter part of the year construction operations were so developed that it is expected that this project will be completed within 5 or 6 months.

PAID FOR MATERIALS AND INSPECTION

| From beginning of project to June 30, 1942 During present fiscal year | , |
|--|---------------|
| Total | \$31, 266. 83 |
| Paid for indemnities | \$29, 031. 68 |

FAP 27 Sec. I, Sec. II and Sec. III—Bayamón-Vega. Alta Road.

On December 1942, all these three sections had been completed.

PAID FOR MATERIALS AND INSPECTION

| From beginning of project to June 30, 1942 During present fiscal year | * |
|--|---------------|
| Total | \$28, 041. 16 |
| Paid for indemnities | \$60, 343, 52 |

FAP 30 Sec. I, Sec. II, Sec. III and Sec. IV-Vega Alta-Barceloneta Road.

Section I, II and IV are now finished. On Sec. III, there are only a few minor details pending construction, so, practically all four sections may be considered as completed.

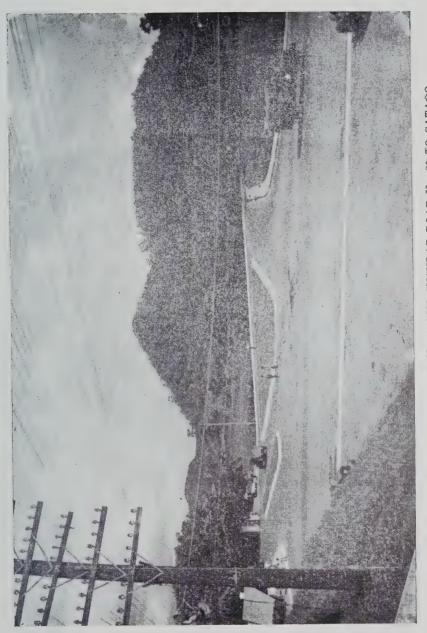
PAID FOR MATERIALS AND INSPECTION

| From beginning of project to June 30, 1942 | \$20,665.71 |
|--|---------------|
| During present fiscal year | 14,737.53 |
| | |
| Total | \$35, 403. 24 |
| Paid for indemnities | \$71,655.08 |

MUNICIPAL OR SECONDARY ROADS UNDER CONSTRUCTION BY WORK PROJECTS ADMINISTRATION FINANCED WITH INSULAR AND FEDERAL FUNDS

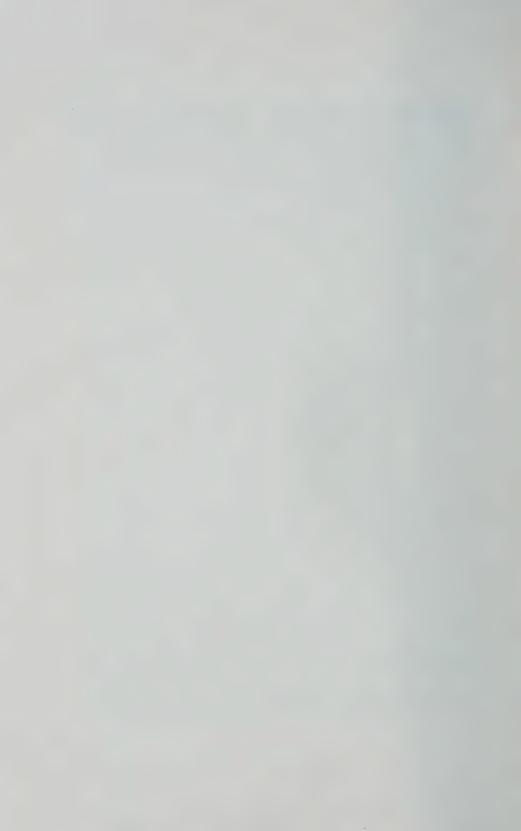
The following projects which are being constructed by the Work Projects Administration and to which the Insular Department of the Interior contributes with inspection, indemnities and part of the materials required are progressing satisfactorily in spite of the emergency.

| Rancheras Road-Municipality of Yauco. | |
|---|--------------|
| Paid for materials and inspection | \$2,672.79 |
| Paid for indemnities | 590. 10 |
| Total | \$3, 262. 89 |
| Palo Hincado Road-Municipality of Barranquitas. | |
| Paid for materials and inspection | \$4,038.35 |
| Paid for indemnities | |
| Total | \$4, 638. 35 |
| Central Road-Municipality of Maunabo. | |
| Paid for materials and inspection | |
| Paid for indemnities | 0.00 |
| Total | \$5, 667. 87 |
| Hato Nuevo Road-Municipality of Guaynabo. | |
| Paid for materials and inspection | \$7, 171. 58 |
| Paid for indemnities | . 294. 25 |
| Total | \$7, 465. 83 |
| Tallaboa Road—Municipality of Peñuelas. | |
| Paid for materials and inspection | |
| Paid for indemnities | 25.00 |
| Total | \$3, 269. 51 |
| Mabi Road—Municipality of Río Grande. | |
| Paid for materials and inspection | |
| Paid for indemnities | 386. 45 |
| Total | \$1, 486. 52 |
| Espino Road-Municipality of Lares. | |
| Paid for materials and inspection | |
| Paid for indemnities | 386. 45 |
| Total | \$1, 486. 52 |



JUNCTION OF INSULAR ROAD No. 2 AND INSULAR ROAD No. 25 TO CATAÑO. **YEAR** 1943 KM. 5.4

Sergio Cuevas Bustamante, Commissioner of the Interior.



| FAP 8-H-Municipality of San Juan. Paid for materials and inspection | . \$2,791.25 |
|---|----------------|
| Caguas by pass (Pending construction). Paid for surveys Paid for indemnities | |
| Total | \$7, 991. 66 |
| Arroyo by pass (Pending construction). Paid for surveys | . \$659.36 |
| Guajataca Road—Municipality of Quebradillas. Paid for materials and inspection | . \$1, 514. 46 |
| Minillas Road—Municipality of Bayamón. Paid for materials and inspection | . \$5, 438. 64 |
| Pasto Road—Municipality of Morovis. Paid for materials and inspection———————————————————————————————————— | |
| Total | \$1,615.62 |
| Rucio Road—Municipality of Peñuelas. Paid for materials and inspection———————————————————————————————————— | |
| Total | \$4, 373. 9.0 |
| Sierra Baja Road—Municipality of Guayanilla. Paid for materials and inspection Paid for indemnities | |
| Total | \$2, 120. 44 |

MUNICIPAL OR SECONDARY ROADS UNDER CONSTRUCTION BY FORCE ACCOUNT FINANCED ENTIRELY WITH INSULAR FUNDS

The construction of 24 secondary roads under Municipal Road Program No. 1, began in November 1942. At the end of the year, the work on Casey Arriba Road at Añasco and that on Naranjo Road at Aguada had been completed.

Because of lack of funds, construction operations were discontinued on the following projects:

| | 5110 | Lacocco. | | |
|----|-------------|----------|-----|----------------|
| 1. | Rabanal. | | 8. | Quebradillas |
| 2. | Caonillas | | 9. | Juan Martín |
| 3. | Rosario | | 10. | Coabey |
| 4. | Pozas | | 11. | Tibes |
| 5. | Higuillales | | 12. | Sabana Grande |
| 6. | Pulguillas | | 13. | Utuado-Florida |
| | | | | and a |

6. Pulguillas 7. Palos Blancos 14. Carite It is to be regreted that the construction of some others of these roads will have to be discontinued as soon as their corresponding appropriation become exhausted. The aggregate total length of road already constructed is 38 kilometers.

On March 1943, the construction of eight secondary roads under Municipal Road Program No. 2, was started. Work on Indiera Alta Road at Maricao and Cacao Road at Orocovis which were also included in this plan have not yet began.

The total length of road built under this plan was four kilometers. Details of appropriations available, amount paid and length of road assigned and constructed is detailed in the graphic accompanying this report.

| Amour | at |
|--------|-----|
| eimbur | sed |

\$75, 537. 00

49, 742. 00

52, 534. 00

47, 593. 00

8, 958. 00

73, 191. 00

25, 425. 16

40, 129. 00

26, 632. 00

106, 430. 00

67, 853. 00

80, 745. 00

50, 780. 00

115, 047. 00

44, 297. 00

72, 751. 00

27, 816. 00

\$965, 460. 16

PROJECTS UNDER CONSTRUCTION BY CONTRACT DURING FISCAL YEAR 1942-1943

| Western | | | | | | | | | | | | In | SPECTION CHARG | E9 | |
|--|------------------------------|-------------------|---------------|--------------|-------------------------|-----------------------|--------------------------|--------------------------|----------------------|--------------------|-------------------------|---------------------|--------------------------|----------------|--|
| Project | Date of Contract | Contract Price | Increases | Deductions | Total Contract Price | Paid to Contractor | Value of Pending Work | Federal Participation | Amount Reimbursed | Balance Pending | Cost of Right of Way | During 1942—1943 | During Previous Years | Total | REMARKS |
| FAP 27A (1)-La Plata River Bridge Bayamon-Vega Alta Road CONTRACTOR: Raul Gaya Benejam | Oct 7, 1941 | 524 81 30 | \$2" 4x3 % | | \$282, 100,00 | \$211,500,20 | MG2, 877 73 | \$2000, 527 (a) 7(1) | \$75, 187, 00 | \$1.54, 204 - 50 | \$3,750, (0) | \$7, 787-98 | \$3 985 94 | \$11, 723, 57 | Increase due to change in design of foundation because materials such as steel poles could not be procured |
| FAP 3A (1)-Añasco River Bridge Mayagüez-Rincón Road Contractor: Tomás Carro | July 24, 1940 | 197, 362, 20 | | | 197, 362. 28 | 158, 539, 89 | 35, 522. 36 | 108, 135, 00 (50%) | 49, 742. 00 | 58, 393. 00 | | 2, 831. 23 | 17, 176. 64 | 20, 027. 87 | At present this contract is under judicial contest and the construction is suspended. |
| FAP 8F (1)-Bayamón River Bridge | Sept. 13, 1941 | 182, 370. 65 | | \$30, 593.00 | 151, 777. 65 | 72, 789. 51 | 78, 988. 14 | 150, 097. 50 (75%) | 52, 534. 00 | 97, 563. 50 | | 4, 413. 57 | 7, 632. 53 | 12, 046. 10 | Underruns due to change in design of foundation of abutments and piers. |
| FAP 8G (1)-Hondo River Bridge. Santurce-Bayamón Road CONTRACTORS: San Miguel, Gonzúlez and Valiente & Co | March 17, 1942 . | 86, 504. 00 | | 4, 007.76 | 82, 496. 24 | 82, 496. 24 | | 71, 035. 50 (75%) | 47, 593. 00 | 23, 442. 50 | 680. 00 | 3, 115. 13 | 1, 898. 07 | 5, 013. 20 | Finished and liquidated on April 29, 1943. |
| FAP 8E (1)-Timber Trestle Bridge | March 2, 1942 | 34, 332 00 | 3, 883. 20 | | 38, 215 20 | 38, 215 20 | | 25, 441. 35 | 8, 958. 00 | 16, 483. 35 | | 6, 202. 20 | 2, 571. 12 | 8, 773. 32 | Liquidated on March 18, 1943 and work continued by the 10th District Naval. |
| FAGH 3B (1)-Over Pass | May 1, 1941 | 107, 819. 50 | 228.62 | | 108, 048. 12 | 88,757 74 | 19, 290. 38 | 118, 050. 00 (100%) | 73, 191. 00 | 44, 859. 00 | 680. 00 | 3, 100. 00 | 5, 161. 66 | 8, 261. 66 | From January 1943 the continuance of work is taking place by force account. |
| FAGH 11G (1)-Over Pass | Dec. 24, 1941 | 26, 528. 25 | | 1, 210.07 | 25, 318. 18 | 25, 318. 18 | | 25, 425, 16 (100%) | 25, 425. 16 . | | | 1, 785. 33 | 2, 690. 88 | 4, 476. 21 | Finished and liquidated on February 28, 1943. |
| FAGH 11C (1)-Over Pass | Dec. 24, 1941 | 102, 026. 00 | | 10, 601.20 | 91, 424. 80 | 65, 620. 97 | 25, 803. 83 | 111, 470. 00 (100%) | 40, 129. 00 | 71, 341. 00 [| 376. 40 | 2, 132. 41 | 1, 582. 85 | 3, 714. 26 | Underruns due to relocation. |
| FAP 11B (1)-Quebradillas-Isabela Road | Dec. 24, 1941 | 115, 913 80 | 26, 899-62 | | 142, 813. 42 | 67, 717. 01 | 75, 096. 41 | 95, 115. 00 (75%) | 26, 632. 00 | 68, 483. 00 | 551. 00 | 2, 132. 42 | 1, 582. 87 | 3, 715. 29 | Overruns due to change in concrete items and to use greater amount of fill material. |
| FAP 27B (1)-Bayamón-Vega Alta Road CONTRACTOR: Arturo Rivera Gómez | Jan. 15, 1942 | 183, 200 50 | 13, 796 45 | | 196, 990. 95 | 193, 052 02 | 3, 944. 93 | 149,902.50 (75%) | 106, 430. 00 | 43, 472. 50 | 10, 257. 80 | 7, 906. 90 | 4, 785. 66 | 12, 692. 56 | Finished but not yet liquidated. Overruns due to change in structures and increase in overhaul. |
| FAP 27C (1)-Bayamón-Vega Alta Road CONTRACTOR: Gabriel Rexach Gómez | April 7, 1942 | 194, 731.50 | 27, 0% 10 | | 221, 819 60 | 196, 005. 14 | 25, 814. 46 | 157, 799. 04 (75%) | 67, 853. 00 | 89, 946. 04 | 37, 263. 16 | 6, 613. 88 | 2, 559. 33 | 9, 173. 21 | Overruns due to change in the original section of the road. |
| FAP 28A (1)-Road and Bridge. Rio Piedras-La Muda Road CONTRACTOR: Adolfo Mussenden | Sept. 12, 1941 | 196, 516 50 | 14, 517-71 | | 211, 034 21 | 158, 468. 49 | 52, 565. 72 | 155, 280. 00 (75%) | 80, 745. 00 | 74, 535. 00 | 56, 762. 89 | 9, 019. 99 | 9, 298. 58 | 18, 318. 57 | Overruns due to change of grade and in the design of the bridge. |
| FAP 11D (1)-Quebradillas-Isabela Road CONTRACTOR: Énrique Báez | April 10, 1942. | 229, 804 00 | | 6, 210 00 | 223, 594 . 00 | 134, 690. 52 | 88, 903. 48 | 188, 076, 90 (75%) | 50, 780. 00 | 137, 296. 90 | 10, 666. 12 | 6, 890. 45 | 1, 342. 95 | 8, 233. 40 | Underruns due to reduction in width of pavement and elimination of part of the steel reinforcement. |
| FAGH 25A (1)-Hatillo-Quebradillas Road CONTRACTOR: Julio Nigaglioni | May 13, 1941 | 118, 800 50 | 21, 088 47 | | 139, 858 97 | 139, 888 97 | | 125, 313, 26 (100%) | 115, 047. 00 | 10, 266. 26 | 13, 343. 00 | 3, 2 4. 03 | 12, 891. 95 | 16, 175. 98 | Finished and liquidated on February 2, 1943. Overruns due to increase in overhaul because of difficulties in |
| FAP 9C (1)-Arecibo By Pass Barceloneta-Hatillo Road CONTRACTOR: Juan E. Casanova | June 12, 1941 | 96, 349 55 | 7, 167-78 | | 103, 517 33 | 103, 517 33 | | 79, 102. 50 (75%) | 44, 297. 00 | 34, 805. 50 | 8, 933. 90 | 1, 862. 83 | 9, 218. 90 | 11, 081. 73 | obtaining I beams. Finished and liquidated on February 7, 1943. Overruns due to force account work. |
| FAP 8D (1)-Santurce-Bayamón Road | March 17, 1941 | 175, 556 20 | 197, 827-92 | | 373, 384 12 | 373, 384 12 | | 162, 657. 29 (75%) | 72, 751. 00 | 89, 906. 29 | 27, 464. 84 | 29, 604. 48 | 11, 613. 21 | 41, 217. 69 | Contract rescinded and liquidated on March 1942. Work continued by force account, finishing April 1943. Increase due to local condition of muddy foundation requiring an amount of fill far in excess than that pre- |
| FAP 8D (2)-Piedras River Bridge | Bids opened Jan. 22, 1942 | 51, 516 35 | 24, 188 97 | | 75, 705. 32 | 75, 705. 32 | | 37, 135. 56 (75%) | 27, 816. 00 | 9, 319. 56 | 5, 006, 40 | 11, 394, 45 | | 11, 394. 45 | viously estimated. After bid was awarded it was annulled by mutual consent and the construction performed by force account. Increase due to additional work in order to improve |
| Garrochales Secondary Road Barceloneta CONTRACTOR: Candelario Vera | Nov. 10, 1941 | 21, 651 70 | | 4, 842 58 | 16, 809. 15 | 16, 809 12 | | | | | 830.75 | 1, 479. 16 | 3, 423. 06 | 4, 902. 22 | design. Finished and liquidated on February 28, 1943. |
| Leguisamo Secondary Road. Mayaguez ONTRACTOR: José Pereyó | April 30, 1941 | 22, 518 00 | 4, 218 77 | | 26, 736, 77 | 26, 736, 77 | | | | | 515. 50 | 1, 440. 99 | 11, 245. 86 | 12, 686. 85 | Finished and liquidated on September 30, 1942. |
| Carrizal Secondary Road | April 17, 1942 | 53, 512. 50 | 211 00 | | 53, 723 50 | 58, 968 32 | 14, 755. 18 | | | | 6, 836. 10 | 4, 718. 36 | 1, 888. 73 | 6, 607. 09 | Liquidated on February 26, 1943 and work continued by force account. |
| | | \$2, 452, 089. 25 | \$368, 580.11 | \$57, 464-61 | \$2, 763, 204.75 | \$2, 270, 183. 13 | \$493, 021. 62 | \$1, 969, 864. 06 | \$965, 460. 16 | \$1,004,403.90 | \$183, 933. 86 | \$117, 685. 74 | \$112, 550. 79 | \$230, 236. 53 | |

tal Cost

55, 536.71 91, 855, 80 98, 482.79 60, 257. 12 40, 871.94 23, 496. 24 73, 891. 58 71, 780. 69 52, 913.89 61, 998. 26 28,046.56 18, 534.21 25, 600.06 42, 437.44 23, 364.86 47, 257, 45 7, 212, 04 27, 643, 21 08, 857, 17 44, 719.25 44,005.20 30, 588. 59 10, 042. 57 69, 909. 53 58, 494. 58 15, 862.00 23, 465.77 11, 080.95 18, 700.52 14, 668.80 57, 077.03 90, 087.73 42, 484.68 172, 900.02 19,955.87 95, 806, 82 14,661.05 85, 406.67 72, 302.90 19, 833.11 46, 202.46 15, 650.95 37, 956.40

\$71, 901. 52

TABLE SHOWING HIGHWAYS AND BRIDGES CONSTRUCTED WITH FEDERAL AID SINCE 1937

| ыг | Name of Process | Date of | Beginning | Estima ed | to ex- | The fact that | Paid to | (mageril n | Right | Total Cont | Federal | Insular | Cartrale | Date of Completion | Kind of Project | Le |
|----|--|---|--|--------------------------|-----------------------|---------------|-------------------|--------------------------|---------------------|--------------------------|--------------------------|----------------|--|------------------------------------|------------------|-------|
| | FAP 4X 1 University Average Reset | | | 800 | 510 001 00 | | (00 B) (40 | 3111 (6 | e -(1 o | 1117 100 70 | SE | | H. Barton a surpture | April 10, 1939 | Fi hway | 6.80 |
| | FAP 1B I Dayman Union Read | Time at | | | | | TE ski | 111 - 11 | 7,22 | | | | and the least of | Out 2, 1984 | H shw A | 6 25 |
| | FAP A TALL SESSEE, THE LAT | | Y-1 | | 140 | | 5 (8) (| 200 200 41 | F. 9 | 48 (8) To | 111 | | Berth A. A. A. C. See | May 19 1939 | D 10W 15 | 2 27 |
| | FAP 64 1 Or can continue | San | The state of the s | 40 | 1 88 0 | | 1 4 2 | | | 40 | | | Partie 1 arr | Nov 1, 1908 | El aliway | 3 3 |
| | FAP OR TO COME THE RESERVE | 0.00 | 100.00 | | 0,40 | | Charles see | F, (43, 44 | 211.116 | 10 (11) (4) | | 201034 | F for a selection | Jan 14, lease | 1. orhway | 1 3 7 |
| | FAP B DESIGN OF STATE OF | I man a | 100 | | *1 | | 1 1 11 | 17,741.00 | 1. 1 | 1 .1 | () | | Maria Barrer | July 16, hast | L. Zuwas | 4.5 |
| | PAP 1B A March Boy L. Paris Land | | | | | | 17 18 84 | | 20.00 | ×4) × | 25 (1 - 6) | | 1 file South Co. | Manch 30, (93) | fill (fillwis) | 1 1 9 |
| ī | FAP IA Di Marca Lera Canada Sa Sa | 1981 | | | | | 114 10 00 | | 2 71 2 | .11 - 11-1 | - 0 - 0 | | The second of the state of the second of the | Manch 7, 1939 | " dening Highway | , 3 |
| | FAP 2A (1) Jacaguas River Bridge | June 17 | une 22 | 48, 4nst 80 | 3,903 59 | | 52, 373 39 | 8, 761 97 | 960 00 | 61, 998 26 | 26, 600 00 | 25 200 06 | José Rodriguez López | Sept. 30, 1939 Sept. 22, 1939 | Bridge | 0. |
| | FAP 7C (1) S. I am Path' R. | 4 2 4 | GIII LE | 40, 402 50 1 | 3, 203 39 | 8.42 10 | 52, 373 39 | 8, 161 41 | 400 00 1 | 61, 998 20 | 26, 600 00 | | Jose Rodriguez Dopez | Del t. 1939 | Landscaping | 0. |
| | FAP 6D (1) Orocovis-Coamo Road | Oct 27 | Nov. 3 | 15, 150, 00 + | 545 75 | | 15, 695 75 | 2, 838 46 | | 18, 534 21 | 8, 250 00 | 10 264 21 | Gabriel Rexach | June 11, 1939 | Landscaping | 1 1. |
| | FAP 4C (1) Utuado-Jayuya Road | Nov 8 | Nov 15 | 19, 892 . 0 | 1, 456 15 | | 21, 348 65 | 4, 251 41 | | 25, 600 06 | 10,855 00 | | José Perevó | Oct. 16, 1939 | Landscaping | 2.3 |
| | FAP 23A [11] P P P R . S | | | | | | | 12, 00 (9) | 1, 200 23 . | 15, 10, 11 | 91.11 8 | | 1 | Dec 31, 1940 | W.dennig Highway | . 2 |
| | FAP 7F (1) Patillas-San Lorenzo Road | Jan. 3 | Jan 16 | 1 172, 82, 50 | 25, 738 68 | | 198, 561 18 | 24, 368 97 1 | 434.71 | 223, 364 86 1 | 93, 980 00 | 129, 384 86 | Tomás Carro | July 21, 1941 | Hizhway | . 7 |
| | FAP 15A (1) Adjuntas-Penuelas Road | Jan 30 | Feb 9 | 186, 139 00 | 34, 195 30 | | 220, 334-30 | | 4, 414 40 | 247, 257 45 | 101, 475 00 | | Genaro J. del Valle. | June 18, 1942 | Highway | . 5 |
| | FAP 11A (2) Quebradillas-Isabela Road FAP F | March 18 | April 5 | 5, 877 50 | 40 70 | | 5, 918 20 | 1, 253 84 | 40 00 | 7, 212 04 | 3, 150 00 | | Juan E. Casanova | June 17, 1940 | Landscaping | 0 |
| | FAP 6F (1) Orocovis-Coamo Road | Feb 14 | Feb 23 | 80, 860 76 | 14 000 04 | | | | The second | | | | A A Rivers | Lucc 14, 1940 | Highway | . 7 |
| | FAP 5C (1) San Sebastiát Añasco Road | Jan 18 | March 28 | 52, 131, 00 | 14, 640 04 | | 95, 500 80 | 12, 731 37 | 625 00 | 108, 857 17 | 43, 930 00 | | Colon. Gerardino & Vechini | Nov. 27, 1940 . | Highway | . 3 |
| | FAP 20A (1) Jueyes River Bridge | March 10 | | 40, 30% 50 | | 15, 127 22 | 37, 004 78 | 7, 204 47 | 510 00 | 44.719 25 | 20, 596 00 20, 890 66 | | Hıram Forestier (1) | June 23, 1940 | Highway | . 2 |
| | FAP D DON LOW PARTE | 3.1 7. 1. 20 | A STATE OF | 10, 30 - 10 | 31 10 1 | | 40, 399 60 | 3, 305 60 | 300 00 | 44, 005 20 | 20, 590 00 | 25, 114 54 | Arturo Rivera. | Dec. 31, 1939 | Bridge | . 0 |
| | FAP 12A (2) Isabela-Aguadilla Road | March 27 | · April 4 | 7, 523 00 | 1,410 00 | | 8,933 00 1 | 1, 103 57 (| | 10, 042 57 [| 4, 055 00 . | | Gabriel Benitez | Oct. 20, 1939 | Landscaping | . 4 |
| | FAP 14A (1) Trujillo Alto River Bridge | | May 3 | 141, 059 90 | | 432 16 | 146, 627 74 | 25, 619 79 | 662 00 | 169, 909 53 | | | Roberts R. Prann | June 21, 1941 | Bridge | . 0 |
| | FAP 5B (1) Añasco-San Sebastián Road | May 4 | May 16 | | | 6, 401 31 | 46, 209 79 | 11,923 79 | 361 00 | | 24, 594 31 | | Machargo & Corrada | April 5, 1941 | Highway | . 2 |
| | FAP 16A (1) Ponce-Jayuya Road | | | 79, 161, 40 | 26, 525 56 | | 105, 687 96 | 9, 732 04 | 442 00 | 115, 862 00 | 42, 820 00 | | Francisco Nevares | Oct. 29, 1940 . | Highway | . 2 |
| | FAP 19A (1) Palo Hincado River Bridge . | July 11 | | 15, 531, 00 | 103 52 | | 14,642 52 | 4, 823 25 | | 23, 465 77 | 9,980.00 | | Ratael Gallardo | July 1, 1940 | Bridge | . 0 |
| | FAP 6E (1) Orocovis-Coamo Road | July 11 | July 21 | 92, 175 50 | 4, 994 19 | | 97, 172 69 | 12, 387 26 | 1,521 00 | 111,080 95 | 50, 185 00 | | Jos Carro Rivera | July 24, 1941 | Highway | . 2 |
| | FAP 21A (1) Adjuntas Jayuya Road | | July 24 | 14, 961 90 11, 163 50 | | 161 13 | 14,800 77 | 3, 484 75 | 415 00 | 18,700 52 | | | José Pereyó | Feb. 4, 1911 | Culverts | . 0 |
| | FAP 4B (2) Utuado-Jayuya Road FAP 17A (1) Loiza-Juncos Read | Aug 23 Oct. 13 | | 11, 163 50 | 602 10 | 12, 180, 58 | 11, 765 60 | 2, 903 20 | | 14,668 80 | 5, 974 92 | | Vicente Valdivieso Jr | June 30, 1940 | Landscaping | . 0 |
| | FAP 18A (1) Merle River Bridge | | | 75, 7% 90 | | 1, 714 40 | 74, 067 60 | 14, 758 56 14, 958 13 | 529 00 1, 062 00 | 57, 077 03 90, 087 73 | 21, 263 00 37, 664 13 | | Rafael Gallardo | May 22, 1941 | Highway | . 1 |
| | FAP 22A (1) Loco River Bridge-Yauco | April 18 | | 36, 900 50 | | 2, 363 14 | 34, 537 36 | 7, 947 32 | 1,002 00 | 42, 484, 68 | | | Valiente & Co | June 21, 1941 Feb. 10, 1942 | Bridge | 1 1 |
| | FAP 21B (1) Adjuntas-Jayuya Road . | | Aug 19 | | 4,644 93 | 2,000 11 | | 5, 216 59 | 376 00 | 72, 900 02 | 33, 135 00 | | M. Perevó & A. Rivera | April 19, 1941. | Highway | . 0 |
| | FAP 6C (1) Orocovis-Coamo Road | June 10 . | June 20 | 62, 662 50 | 3, 597 32 | | 14, 279 57 | 4,592 30 | 1,084 00 1 | 19, 955 87 | 5, 585 00 | | José Perevó | July 12, 1941 | Culverts | . () |
| | FAP 6G (1) Orocovis-Coamo Road | Sept. 16 | | 85, 175, 70 | | 8, 727 72 | 79, 447.98 | 15, 121 24 | 1, 237 60 | 95, 806 82 | 39, 994 83 | | José Carro Rivera | July 12, 1942 | Highway | 1 2 |
| | FAR OLC (I) All sets of series Real | | | | , 308 10 | | 10 100 00 | | 7 10 | | | | and Martinez of Martinez | July 26, 1991 | Culverts | ű |
| | FAP 11F (1) Quebradillas Isabela Road | Dec 28 | Jan 7 1941 | 150, 577 80 | 6, 047 00 | | 156, 924, 80 | 9, 734 58 | 18, 747 29 | 185, 406 67 | 75, 311 00 | | Arturo Rivera | May 28, 1942 | Highway | 4 |
| | FAP HF (1) Quebra tilla: I abela Road | Fok of | March 20 | 11. 040 00 | 16 111 0- | | 100 000 00 1 | 14 747 00 | 1 200 1" | | | | War and Property of | Liec 3, 1942 . | Highway | 3 |
| | FAP 1C (1) San Juan-Rio Piedras Road FAP 20B (1) Santa Isabel-Salmas Road | March 5 March 31 | April 19 | 32, 097 30 | 2,7220 82 4,556 01 | | 13, 260 82 | | 1,340 22 | 19 933 11 | 5, 990 00 | | Alberto Pérez | Jan. 2, 1942 | Highway | . () |
| | FAP 1A T Matter For Port , Road | | May 5 | | 1 574 20 | | 36, 653 31 | 9, 249 15 | 300 00 | 46, 202 46 | 17, 350 00 | 28 852 48 | | June 22, 1942 | Bridge | . 03 |
| | FAP 21D 1 At acra Javana to st | | | | | | | L vied an | | 01. JOU 10 | 10,000 00 | | No. of Marian | Dec. 9, 1941 June 10, 1942 | Landscaping | 0 |
| | 1 11 211 1 31, 10 1 21 1 1 1 1 1 1 | | | | | | | 1,020 20 | | 07,300 10 | 10,050 00 | 21,001 70 | 1 | white in peth | Culverts | 1 |
| | Totals | | | 1 83, 046, 920, 76 | \$358, 053 91 | \$47, 270 16 | \$3, 357, 704, 51 | \$428, 069, 73 | \$86, 127, 28 | \$3,871,901 52 | \$1 617 050 60 1 | \$2 254 850 92 | | | | |

⁽²⁾ Under repairs.

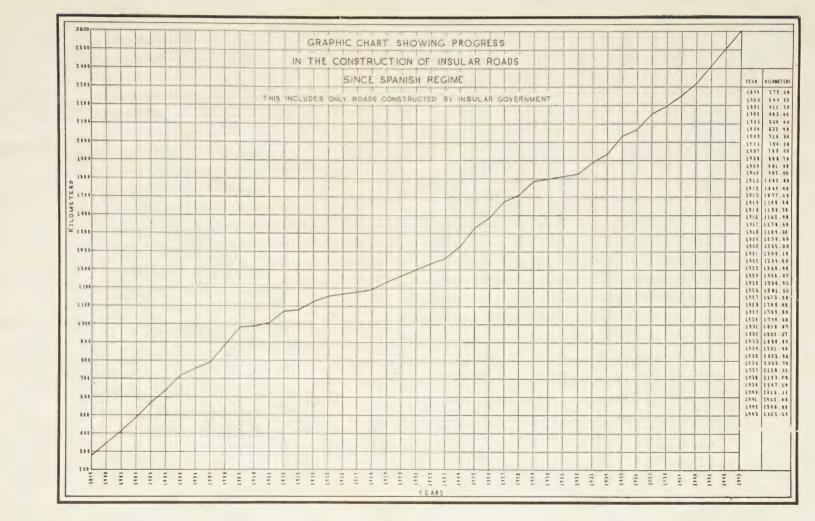


TABLE SHOWING GRADE CROSSING ELIMINATION PROJECTS CONSTRUCTED WITH FEDERAL AID SINCE 1638

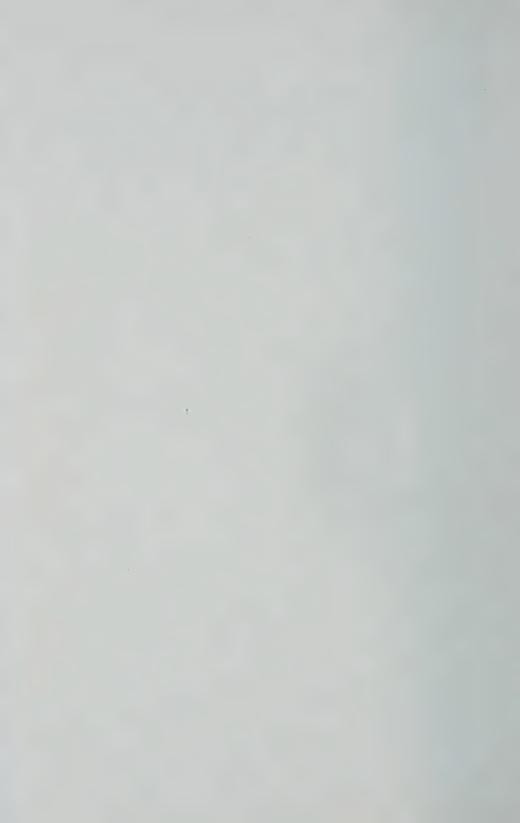
| Year | Name of Project | Date of Contract | Besst franc Wirk | Esternated Cost | Increases | Reductions | Find to Contractors | Inspection | Rights of Way | Surveys and Desims | Total Cest | i e lefa. A 1 | Insular Sture | Continuos | Prite of Completion | Length |
|------|--|--|--|---|---|---------------------|---|--|---|---|--|--|---|--|---|--|
| 1938 | FAGE 11A 1: Quichraddias Isabela Road FAGE 12A 1: Isabela Agurdina Road FAGE 3A 1: Santiato Bayatta 6 Road FAGE 3A 1: Santiato Bayatta 6 Road FAGE 3A 1: Santiato Bayatta Road FAGE 3A 1: Isabela Bayatta 6 Road FAGE 3B 1: Isabela Bayatta 6 Road FAGE 3B 1: Isabela Face bayatta 6 Road | Finds 24 Field 21 Sept. 20 July 22 March, 18 Jupon 12 Apr. 1 28 March 1 | March I March I Survey Vistor I May II May II | 22 143 Int 42 64 Int 81 66 66 4 14 64 63 141 Int 166 68 25 56 434 66 76 784 10 | \$\frac{440}{4,381,13} \\ \frac{4}{2,382,45} \\ \frac{43}{3,719} \text{ of } \\ \frac{44}{3,511,13} \\ \frac{44}{3, | 136 82 12 641 18 | 22 663 94 16 988 94 83 887 85 42 998 68 6 200 46 124 642 07 160 177 76 72 670 87 | 4 544 29 4 810 4 10 914 08 7 924 29 11 754 52 31 154 53 21 085 4 | 450 00 400 00 7 871 63 200 00 42 04 Fl 21 027 90 4 780 98 | 501 28 823 70 1 050 61 1 167 65 2 02 47 3 648 05 8 689 94 3 696 02 | 28, 280 1 43, 1922 70 112 723 17 48 107 87 117 101 11 201 145 11 92 145 11 | 24 (80 or) 24 (70 or) 27 (70 or) 37 (41 or) 37 (41 or) 37 (41 or) 38 (44 or) | 1 11 10 10 11 10 10 11 10 10 11 11 10 11 11 11 11 18 | Draft F. Calastica. Law E. Carastica. Profit. Carnel H. Gart Forester Log For Carte Log S. Affat Values Cart | Lett. 15, 4939 March 4, 1939 Lys 17, 5943 GHz 8, 15, 5 Hasen 30, 1941 Va. 2, 1642 Oct. 17, 1941 | 0 379 Km 0 222 Km 0 360 Km 0 529 Km 0 580 Km 0 560 Km 0 276 Km 0 553 Km |
| | | | | 544 395 40 | 76. 640.64 | 13 078 00 | 607, 858-04 | 122 241 76 | 77 074 02 | 22, 491, 05 | 827 10/8 57 | 614 mit 77 | 177 19.1 10 | | | |

TABLE SHOWING SECONDARY ROADS CONSTRUCTED WITH FEDERAL AID SINCE 1937

| Year | Name of Project | Date of Contract | Buggining of Work | Estimated Cost | Increases | Refuelions | Pari to Contractors | Inspection | Rights of Way | Cost | Federal Ast 50 | Invalue Stafe | to entryet t | Constitute | Length o |
|------|--|---|--|--|---|------------------------------|--|--|--|--|--|-----------------------------------|--|--|---|
| 937 | FAS 1A (1) Markdore Road Mayag age FAS 2A 11 Cartonion Road (3m author FAS 3A 11 Agrees Browney Conveyaglow Road FAS 4A 11 Canadharra Road A Gan Alba FAS 10 AA 11 M. Ayang Road | Sec. 1 28 Sec. 1 17 Sec. 1 17 Many 41 Oct 100 | Sept 20 Out 1 Sept 27 Tune 1 | 831 708 49 50, 157 50 67 443 50 64 581 00 55 404 50 27 763 00 | 7, 679 56 6, 441 35 2, 584 28 108 86 | 1.472.66 1.421.00 | 60 325 88 34 736 50 78 013 06 70 926 35 26 488 78 26 931 86 | 5 571 41 3 780 31 5 325 76 6 610 98 1 082 05 7 188 28 | 100 00 126 00 686 00 3 225 00 580 00 250 00 | 42 (0.7 24 35 (94, 81) 82 (44 82) 80 (2-2 83) 82 (10 83) 83 (270 14 | . 17 m . 17 m . 18 m v 17 m . 18 m | 10 5.2 50 10 50 50 11 25 50 | Haram Free A. C.; Cruz Perez A. C.; Rama S. Ma. Rosy V. mele Sa.; Vr. a. S. S. M. a.; A. S. J. C. S. S. S. S. S. S. | Note 2, 1038 1 438 20, 1938 1 400 22, 1939 1 400 22, 1939 1 443 20, 1930 | 1 014 Kr 2 26 Kr 1 722 Kr 7 157 Kr 3 4 Kr 2 5 Kr |
| 939 | FAS SA II Real Area Read France FAS 9A II Guaraphos R a F Cab R ; FAS 6A II Cupey Alto Read Rei Pactras FAS 7A II Cup is Read Alto 6.75 FAS IIA II Josepha Respica Correspond Read | 1 no. 12 M 52 h 28 M 52 h 28 M 52 h 28 | Dm. 9 Lm 23 A. ful v May 22 July 1 | 41 (05 00 28 (20 50 5) 276 (6) 27 596 00 33 158 6 | 2 158 15 2 240 42 1 17 45 2 192 30 168 86 | | \$4, PR 15 50 800 02 51, 700 45 20 701 30 87 527 81 | 1, 960 83 10 188 05 11, 301 26 3 173 29 6 280 74 11, 025 23 | 441 %5 400 00 308 50 \$ 673 00 1 715 10 | 10 3.0 8 41 400 82 63 1.6 71 53 53 60 18 601 13 | 3 (A) 50 1 80 100 37 185 25 13 440 100 A) 7 01 14 672 D | 2 000 7. 1 1 1 1 2 00 1 12 | Time of affi Incompact Howers Raise Marriages Correla Viscola April 2005 Lo Pinna La Pinna | 100 31, 1000 100 41, 2041 100 27, 1000 100 24, 1010 101 24, 1040 101 81, 1041 | 1 00d Ki 3 725 Ki 3 402 Ki 4 408 Ki 2 801 Ki |
| 140 | FAS 11B t. J. vinta F. Lavia C. rres. via Rosal FAS 12A t. Quebrada Arevas K. et Iros Alta FAS 13A t. Murroz Reserva Rosal Partinas | Fet Is May 12 | Fer 26 May 27 | 41 914 00 45 496 30 52,891 50 | | 3 715 00 354 56 978 94 | 48 198 01 46 111 74 51,042 56 | 9, 100 05 8, 466 11 | 90.00 | el out et | 21 141 72 23 403 17 | (L) (m) (m) | Rate Mar Rose Martinez | A) (1 2 - 104) Last 17 - 22 | 3 507 K 2 221 K |
| 941 | FAS 12B 1, Quebrain Arenas Road Ton Alta | Apr . 30 | May 13 | (1, 682-15 | 6, 772-73 | 1 | 68, 454, 88 | 10 #83 85 | 1 831 70 | 81 270 14 | 33 700 35 | \$7 480 04 | V / V n fixies | s pr 22, 1642 | 5 005 K |
| | | | | 636, 851.39 | 32, 027.86 | 7, 942. 25 | 660, 937. 10 | 113, 850. 21 | 13, 754. 24 | 788, 541, 55 | 328, 341.93 | 460, 199.52 | | | |



REYES CATOLICOS BRIDGE ACROSS LA PLATA RIVER. INSULAR ROAD No. 2. Sergio Cuevas Bustamante, Commissioner of the Interior. KM. 25.5



MAINTENANCE AND REPAIR OF HIGHWAYS, ROADS AND BRIDGES

The task imposed upon the Road Maintenance Division during the fiscal year ending June 30, 1943 was far greater than in previous years due to the prevailing war emergency. Roads, bridges and culverts were maintained and repaired and in many cases improved to facilitate increased military traffic and to reduce inconveniences to civil transportation so much affected by war restriction.

The sum of \$1,571,763.61 was expended in the maintenance, repair and improvements to roads and bridges. Pursuant to Law, \$1,500,000 of the proceeds of the gasoline tax were allocated for the purpose. The balance of \$71,763.61 was income derived from rental of equipment to contractors and municipalities; sale of crushed stone to other Government agencies and other miscellaneous transactions. The following statement gives a summary of the operations and expenditures of the Division.

| Improvements to roads, including labor, and acquisition of rock, | |
|--|-------------------|
| asphalt and gravel | \$391, 140. 05 |
| Maintenance expenses including labor, patching of road surface | |
| and cleaning of side ditches and shoulders | 667, 623. 87 |
| Purchase and maintenance of tools and equipment | 117, 055. 93 |
| Maintenance and reconstruction of bridges, culverts, retaining | |
| walls and road houses | 134, 399. 39 |
| Office rents, light, water, telephone and telegraph services | 10, 531. 81 |
| Removal of landslides and general cleaning | 84, 927. 85 |
| Travel expenses | 23, 992. 53 |
| Surcharge, Bureau of Supplies, Printing and Transportation | 6, 400. 00 |
| Insurance premium on laborers and employees | 28, 353. 22 |
| Miscellaneous expenses | 50, 379, 30 |
| Asphalt on hand as of June 30, 1943 (373,506 Gals.) | 56, 959. 66 |
| Total | \$1, 571, 763. 61 |

A large number of new roads constructed on previous years by either Federal, Municipal or Insular Government were turned over to this Division for their maintenance. In order to keep the surface of the insular roads to their maximum serviceability under the existing heavy traffic and to prevent abnormal deterioration of structures and of supplementary appurtenance, the maintenance field force was increased to 813 road menders under the supervision of approximately

100 foremen. Salaries paid to road menders, foremen and other field employees amounted to \$521,489.25 for the whole period.

The plan for the re-asphalting of those roads which had been previously treated with bituminous material as well as the asphalting of new macadam roads, was continued. Although the asphaltic material was not received until the second semester of the year due to difficulties of transportation facilities a total of 19 kilometers of roads were asphalted. Out of the total length of 2,877 kilometers of roads under the Maintenance Division, 2,757 kilometers had been treated with asphalt up to June 30, 1943. The sum of \$236,631,57 was invested in the purchase and transportation of asphalt and gravel.

Bridges, culverts, road houses and other appurtenances most of which were constructed many years ago, were repaired and maintained and in many instances completely reconstructed. The tables attached show the expenditures for such works.

During the year 1942-1943, the Island-wide Project for the widening and improvement of curves and roads was continued in cooperation with the Work Projects Administration. Of the total amount of \$540,000 expended by the Department of the Interior in this project, the Maintenance Division contributed with the sum of \$150,000, the balance of \$390,000 being appropriated by Act No. 207 of May 11, 1942, for the purpose. For this work the Work Projects Administration contributed with the sum of \$1,456,334. This project not only conduced to the improvements of roads but also helped to relieve unemployment throughout the Island. The scope of this work covered those roads considered essential to the National Defense Program, among which the following are the most important: Road No. 1, San Juan-Ponce; Road No. 2, San Juan-Camp Buchanan-Mayagüez; Road No. 25, Cataño-Guaynabo; Road No. 61, Juana Díaz-Losey Field; Road No. 47, Cayey-Salinas; Road No. 12, San Lorenzo-Patillas: Read No. 6 Ponce-Utuado: Road No. 28, Juncos-Naguabo and Road No. 5, Caguas-Juncos.

As in previous years it was necessary to hire laborers to help the road maintenance personnel in the removal of numerous landslides from our roads caused by the excessive heavy rains. The sum of \$84,927.85 was spent during the year for the payment of such extra laborers.

Due to the increase of activities during the year and to the fact that most of the heavy maintenance equipment has been in service for the last fifteen or twenty years, it was made necessary to acquire additional units of equipment as well as repair parts to maintain the equipment on hand in proper working condition. In addition to the above mentioned activities the Road Maintenance Division prepared and put in operation thirty new projects with a sum of \$200,000 allocated by the Insular Emergency Council for the widening and the improvement of those roads and bridges considered necessary by the Commissioner of the Interior. These projects were scattered around the Island and especially in those Municipalities where relief for unemployment was more necessary. As the total sum assigned was only partially used during the year, work on these projects will be continued during the year 1943–44.

TABLE NO. 1 STONE PURCHASED

| | Ву | Contract | | By Ad | lministration | 1 | Total for the year | | | | |
|--|--|---|--|---|--|---|--|---|--|--|--|
| Year | Cubic meters | Total cost | Ave. per cb. m. | Cubic meters | Total cost | Ave. per cb. m. | Quantity eb. ms. | Total cost | Cost per cb.m. | | |
| 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 | 4, 980. 00 26, 530. 00 57, 935. 00 39, 035. 00 52, 812. 00 1, 650. 00 | \$12, 355. 20 50, 022. 28 96, 446. 57 67, 137. 11 93, 051. 38 2, 970. 00 | 2. 48 1. 88 1. 68 1. 72 1. 77 1. 80 | 33, 761. 00 21, 631. 00 19, 201. 00 18, 259. 00 3, 468. 00 12, 345. 00 46, 908. 00 55, 216. 00 68, 696. 00 47, 414. 00 | \$52, 672. 89 30, 533, 92 35, 674. 74 36, 871. 14 6, 295. 62 14, 852. 01 82, 425. 64 105, 708. 81 142, 535. 41 76, 249. 49 | 1. 56 1. 41 1. 86 2. 02 1. 81 1. 20 1. 76 1. 91 2. 07 *1. 60 | 33, 761. 00 26, 611, 00 19, 201. 00 44, 789. 00 61, 403. 00 51, 380. 00 99, 720. 00 56, 866. 00 68, 696. 00 47, 414. 00 | \$52, 672. 89 42, 889. 13 35, 674. 74 86, 953. 42 102, 743. 19 81, 989. 12 175, 477. 02 108, 678. 81 142, 535. 41 76, 249. 49 | \$1. 56 1. 61 1. 86 1. 94 1. 69 1. 60 1. 76 1. 91 2. 07 1. 60 | | |

^{*} The cost of the purchase of stone appears low due to the fact that part of the labor used was furnished by the WPA.

TABLE NO. 2 STONE PLACED

| Year | Total cubic meters placed | Total Cost | Ave. Cost of placing per cb. m. | Ave. cb. meter placed per kilometer |
|------|---------------------------------|---------------|---------------------------------------|---|
| 1934 | 40, 659. 00 | \$28, 011. 88 | \$0.69 | 54. 10 |
| | 31, 097. 00 | 27, 002. 92 | 0.87 | 19. 70 |
| | 18, 742. 00 | 21, 512. 05 | 1.20 | 34. 36 |
| | 42, 429. 00 | 46, 904. 63 | 1.08 | 25. 84 |
| | 68, 945. 00 | 72, 068. 50 | 1.04 | 72. 50 |
| | 52, 727. 00 | 45, 480. 30 | 0.86 | 67. 80 |
| | 83, 022. 00 | 85, 772. 17 | 1.01 | 36. 15 |
| | 66, 250. 00 | 64, 581. 81 | 0.98 | 25, 98 |
| | 67, 851. 00 | 126, 963. 02 | 1.87 | 25. 25 |
| | 36, 508. 00 | 49, 373. 12 | 1.33 | 12. 70 |

^{*} The cost per cubic meter appears low due to the fact that part of the labor used was furnished by the WPA.

BRIDGES PAINTED AND REPAIRED

| arate of the control | |
|---|--------------|
| Repairs to bridge at Km. 3.8, Road No. 1 | \$835.50 |
| Repairs to bridge at Km. 8.0, Road No. 1 | 2, 114. 20 |
| Repairs to bridge at Km. 0.2, Road No. 2 | 884.70 |
| Repairs to bridge at Km. 60.0, Road No. 2 | 3, 490. 96 |
| Repairs to bridge at Km. 100.0, Road No. 2 | 188.91 |
| Repairs to bridge at Km. 176.5, Road No. 2 | 3, 632. 27 |
| Repairs to bridge at Km. 231.6, Road No. 2 | 491.45 |
| Repairs to bridge at Km. 6.6, Road No. 3 | 36.00 |
| Repairs to bridge at Km. 2.9, Road No. 5 | 2, 646. 41 |
| Repairs to bridge at Km. 1.1, Road No. 7 | 1, 107. 13 |
| Repairs to bridge at Km. 17.1, Road No. 8 | 143. 21 |
| Repairs to bridge at Km. 10.5, Road No. 10 | 102.50 |
| Repairs to bridge at Km. 11.1, Road No. 11 | 3, 997. 17 |
| Demolition and repairs — Road No. 13 | |
| Repairs to bridge at Km. 9.8, Road No. 23 | |
| Repairs to bridge at Km. 24.2, Road No. 23 | 1,788.99 |
| Repairs to bridge at Km. 1.3, Road No. 36 | 214. 34 |
| Repairs to bridge at Km. 1.5, Road No. 37 | |
| Repairs to bridge at Km. 3.3, Road No. 37 | |
| Repairs to bridge at Km. 2.3, Road No. 41 | |
| Repairs to bridge at Km. 13.0, Road No. 44 | , |
| Repairs to bridge at Km. 4.3, Road No. 55 | |
| Repairs to bridge at Km. 4.1, Cataño-Sabana Seca | |
| Repairs to bridge at Km. 0.1, Mayagüez-Leguísamos | |
| Repairs to bridge at Km. 0.2, Manatí-Río Arriba | 1,649.81 |
| Total | \$31 .207 00 |
| 10,01 | φυ1, 201. 90 |
| CULVERT AND OTHER STRUCTURES | |
| Density to colored at IV. 05 Dec 1 M 0 | 4170 00 |
| Repairs to culvert at Km. 3.5, Road No. 3 | |
| Repairs to culvert at Km. 7.8, Road No. 3 | |
| Construction of culvert at Km. 80.5, Road No. 3 | |
| Repairs to culvert at Km. 9.6, Road No. 3 | |
| Repairs to culvert at Km. 10.5, Road No. 3 | |
| Repairs to culvert at Km. 26.4, Road No. 5 | |
| Repairs to culvert at Km. 16.1, Road No. 9 | |
| Repairs to culvert at Km. 25.1, Road No. 9 | |
| Repairs to culvert at Km. 25.4, Road No. 9 | |
| Repairs to culvert at Km. 25.5, Road No. 9 | |
| Repairs to culvert at Km. 26.2, Road No. 9 | |
| Repairs to culvert at Km. 25.8, Road No. 9 | |
| Construction of culvert at Km. 29.5, Road No. 9 | |
| Repairs to culvert at Km. 35.4, Road No. 9 | |
| Repairs to culvert at Km. 10.1, Road No. 14 | |
| Construction to culvert at Km. 15.8, Road No. 18 | |
| Repairs to culvert at Km. 13.2, Road No. 22 | 97. 88 |
| Repairs to culvert at Km. 3.6, Cataño-Palo Seco | |
| Total | \$19,020.02 |
| | |

STRUCTURES

| | Construction of 2 structures at Km. 172.173, Road No. 2 | | \$207.82 |
|----|---|-----|------------|
| | Construction of 1 structure at Km. 234.0, Road No. 2 | | 399. 20 |
| | Construction of 1 structure at Km. 2.5, Road No. 6 | | 405. 55 |
| | Construction of 1 structure at Km. 19.5, Road No. 6 | | 256.69 |
| | Construction of 1 structure at Km. 41.13, Road No. 13 | | 226. 19 |
| | Construction of 1 structure at Km. 11.9, Road No. 14 | | 729.81 |
| | Repairs to structures at Km. 10.2, Road No. 15 | | 241.60 |
| | Construction of 4 structures at Km. 13.21, Road No. 15 | | 1, 003. 16 |
| | Construction of 1 structure at Km. 45.1, Road No. 15 | | 281. 89 |
| | Construction of 1 structure at Km. 21.4, Road No. 15 | | 375.00 |
| | Construction of structures at Km. 10.9, Road No. 15 | | 515. 50 |
| | Repairs to structures at Km. 10.4, Road No. 20 | | 170.15 |
| | Construction of structures at Km. 13.8, Road No. 22 | | 878, 28 |
| | Construction of structures at Km. 16.1, Road No. 34 | | 277.85 |
| | Construction of structures at Km. 3.7, Road No. 52 | | 348.04 |
| | Construction of structures at Km. 13.1, Road No. 56 | | 1, 310. 07 |
| | Construction of structures at Km. 5.0, Road No. 56 | | 782. 67 |
| 30 | Construction of structures at Km. 4.0, Manatí-Río Arriba | | 134.95 |
| | Construction of 3 structures at Km. 4.2-8, Las Marías-Buena Vis | sta | 1,093.37 |
| | Repairs to structures at Km. 3.2, Humacao-Antón Ruiz | | 312. 12 |
| | Construction of culvert at Km. 0.1, Adjuntas-Vega Arriba | | 209.28 |
| | Repairs to structures at Km. 1.4, Naguabo-Mariana | | 303. 21 |
| | General repairs to 14 small structures | | 1, 239. 17 |
| | | | |

Total _____ \$11, 701. 57

RETAINING WALLS

| | 76% | | 41 AW 04 |
|-----------------------------------|---------|------------------------------|--------------------|
| Repairs to a retaining wall a | at Km. | 125.1, Road No. 2 | \$167.84 |
| Repairs to a retaining wall a | at Km. | 180.9, Road No. 2 | 157. 60 |
| | | 181.5, Road No. 2 | 306. 25 |
| | | 73.8, Road No. 3 | 224. 00 |
| | | 93.1, Road No. 3 | 212. 38 |
| | | Km. 46.8, Road No. 3 | |
| | | Km. 0.3, Road No. 5 | 231. 88 |
| Construction of a retaining v | wall at | Km. 6.7, Road No. 5 | 248.60 |
| Repairs to a retaining wall a | at Km. | 17-18, Road No. 5 | 279.60 |
| Construction of a retaining v | wall at | Km. 22.0, Road No. 6 | 5, 506. 45 |
| Construction of a retaining v | wall at | Km. 22.1, Road No. 8 | 1, 012. 77 |
| | | 35.2, Road No. 9 | 251. 80 |
| Construction of a retaining v | wall at | Km. 25.2, Road No. 9 | 3, 942. 08 |
| | | 25.8, Road No. 9 | 155. 20 |
| | | Km. 5.2, Road No. 10 | 701.83 |
| | | Km. 45.1, Road No. 11 | 1,064.20 |
| | | 44.9, Road No. 11 | 156.40 |
| | | 17.4, Road No. 11 | 216.63 |
| | | Km. 13.8, Road No. 11 | 1, 385. 89 |
| | | 16.0, Road No. 11 | 311, 35 |
| 1 | | Km. 17.5, Road No. 11 | 172. 14 |
| | | 12.9, Road No. 13 | 112.90 |
| | | Km. 9.3, Road No. 14 | 814. 40 |
| | | 10.2, Road No. 14 | 111. 00 |
| | | Km. 10.3, Road No. 14 | 519.70 |
| | | Km. 11.9, Road No. 14 | 1,025.66 |
| - C | | Km. 15.9, Road No. 15 | 318. 00 |
| | | Km. 16.8, Road No. 16 | 383. 60 |
| | | Km. 16.6, Road No. 17 | 1,700.00 |
| | | 9.7, Road No. 18 | 170.00 |
| | | Km. 17.4, Road No. 20 | 1, 343. 00 |
| | | Km. 10.1, Road No. 27 | 669. 41 |
| | | Km. 2.12 Road No. 27 | 732. 57 |
| Construction of a retaining v | wall at | Km. 14.1, Road No. 27 | 601. 43 |
| | | Km. 20.5, Road No. 27 | |
| | | Km. 7.8, Road No. 36 | 548. 88 |
| | | 3.5, Road No. 36 | 432, 95 202, 48 |
| Construction of a retaining value | well of | Km. 6.0, Road No. 41 | |
| | | Km. 2.2, Road No. 44 | 3, 345. 47 |
| | | 26.7, Road No. 47 | 394. 30 |
| | | | 207. 81 |
| Construction of a retaining v | wan at | Km. 0.1, Road No. 49 | 580. 64 |
| Construction of a retaining v | wall at | Km. 0.2, Road No. 65 | 755. 59 |
| Popoing to a retaining v | wan at | Río Piedras-Caguas Via | 2, 379. 86 |
| Construction of a note: | at Km. | 0.1, Jayuya-Coabey | 182. 08 |
| Construction of a retaining v | wall at | Km. 5.1, Juana Díaz-Collores | 1, 373. 20 |
| Minor repairs to 7 ret | wan at | Km. 2.1, Utuado-Viví | 1, 124. 92 |
| armor repairs to 7 retaining | walls_ | | 456. 21 |
| Total | | | \$39, 722. 25 |

REPAIRS AND RECONSTRUCTION OF ROAD HOUSES

| Repairs, painting and improvement of road house at Km. 10.6, Road | \$ 729. 56 |
|---|-------------------|
| Repairs, painting and improvement of road house at Km. 34.5, Road | |
| No. 1Repairs, painting and improvement of road house at Km. 9.2, Road | 323. 13 |
| No. 1 | 3, 384. 43 |
| Repairs, painting and improvement of road house at Km. 103.10, Road No. 1 | 178. 92 |
| Repairs, painting and improvement of road house at Km. 109.10, Road | |
| No. 1 | 149. 42 |
| Repairs, painting and improvement of road house at Km. 60.0, Road | |
| No. 1 | 608. 95 |
| Repairs, painting and improvement of road house at Km. 79.1, Road | 200 70 |
| No. 1 | 328. 76 |
| Repairs, painting and improvement of road house at Km. 128.3, Road | 140.75 |
| No. 3Repairs, painting and improvement of road house at Km. 183.2, Road | 140. (9 |
| No. 3 | 179, 26 |
| Repairs, painting and improvement of road house at Km. 39-43, Road | 1,0.20 |
| No. 8 | 420.04 |
| Repairs, painting and improvement of road house at Km. 1.6, Road | |
| No. 16 | 887.70 |
| Repairs, painting and improvement of road house at Km. 5.1, Road | |
| No. 16 | 712.71 |
| Repairs, painting and improvement of road house at Km. 7.4, Road | |
| No. 16 | 757. 70 |
| Repairs, painting and improvement of road house at Km. 10.5, Road | |
| No. 16 | , 682. 51 |
| Repairs, painting nad improvement of road house at Km. 13.5, Road | ##O 10 |
| No. 16 | 772. 16 |
| Repairs, painting and improvement of road house at Km. 16.7, Road | 655, 02 |
| No. 16 Repairs, painting and improvement of road house at Km. 21.4, Road | 055.02 |
| No. 16 | 573, 20 |
| Repairs, painting and improvement of road house at Km. 25.6, Road | 0,0,0, |
| No. 16 | 1, 193. 88 |
| Repairs, painting and improvement of road house at Km. 4.7, Road | |
| No. 24 | 505.48 |
| Reconstruction of road house at Km. 3.2, Road No. 41 | 4, 358. 48 |
| Reconstruction of road house at Km. 5, Road No. 41 | 11, 172. 78 |
| Viaducto Calle A km. (repairs) | |
| Small repairs to five roadmender houses | 494. 96 |
| Total | \$32 747 65 |
| | WO = 1 11 1 0 00 |

ASPHALTED ROADS

| Road No. | Section | Total Length | Total Leanth Asphalted | | |
|---|--|-----------------|--------------------------|------------------|--------------------------|
| | | | Up to June 30 1942 | During 1942–1943 | Up to June 30 1943 |
| | San Juan-Ponce | 136.7 | 136. 7 | | 136 |
| 2 | | 263. 2 | 263. 2 | | 268 |
| 3 | Río Piedras-Ponce | 199. 7 | 199. 7 | | 199 |
| 1 | Cayey-Guayama. Caguas-Humacao. | 26. 1 | 26. 1 | | 26 |
| 5 <i></i> | Caguas-Humação | 28. 7 | 28. 7 | | 28 |
| | Caguas-Comerío Ponce-Arecibo Caguas-Las Piedras | 23. 5 81. 8 | 23. 5 81. 8 | | 25 81 |
| <u>.</u> | Compac Los Pindres | 22. 0 | 22. 0 | | 22 |
| | Aguadilla-Adjuntas Bayamón-Barranquitas Reyes Católicos-Coamo. Manati-Juana Díaz. San Lorenzo-Patillas. | 82. 4 | 82. 4 | | 82 |
| ' | Bayamón-Barranquitas | 43. 7 | 43. 7 | | 43 |
| | Reves Católicos-Coamo | 77. 2 | 77. 2 | | 43 77 |
| | Manatí-Juana Díaz. | 67. 8 | 67. 8 | | 67 |
| · · · · · · · · · · · · · · · · · · · | San Lorenzo-Patillas | 34. 0 | 34. 0 | | 34 |
| | Arecibo-Lares. Mayagüez-San Sebastián Consumo-Indiera Alto Banderas-Casa Blanca | 33. 6 | 33. 6 | | 35 |
| | Mayagüez-San Sebastián | 41.8 | 41.8 | | 41 |
| | Consumo-Indiera | 31. 4 | 31. 4 | | 31 |
| | Alto Banderas-Casa Blanca | 33. 4 | 33. 4 | | 33 |
| | A100HH0=O10C0VIS | 27. 2 | 27. 2 35. 4 | | 21 |
| | | 35. 4 19. 5 | 19. 5 | | 19 |
| | Utuado-Jayuya. Utuado-Lares. | 21. 2 | 21. 2 | | 2. |
| | | 17. 7 | 17. 7 | | 17 |
| | Lajas-Boquerón | 10.0 | 10. 0 | | 10 |
| • • • • • • • • • | | 16. 9 | 16. 9 | | 10 |
| • • • • • • • • • | Campamento-Morovis-Colozal | 21. 7 | 21. 7 | | 2 |
| | Coamo-Los Baños | 1.7 | 1.7 | | |
| | Comerio-Cidra-Las Cruces | 22. 5 | 22. 5 | | 2 |
| | Río Piedras-Gurabo | 25. 1 | 25. 1 | | 28 |
| | Catano-Bayamon | 7. 2 | 7. 2 | | |
| | Catano-Guaynabo | 13. 8 | 13. 8 | | 13 |
| | | 5. 5 22. 0 | 5. 5 22. 0 | | 25 |
| | Mayagiaz Maricaa | 25. 8 | 25. 8 | | 2: |
| | Barceloneta-Utuado Mayagüez-Maricao Naguabo-Juncos Cabo Rojo-San Germán Vega Baja-Morovis Calle Europa-De Diego-Loíza. Barrio Obrero-Río Pierdas. Hatiilo-Bayaney Camuy-San Sebastián Miramar-Martin Peña | 24. 6 | 24. 6 | | 24 |
| | Caho Rojo-San Germán | 7. 4 | 7. 4 | | 2 |
| • · · · · · · · · · · · · · · · · · · · | Vega Baja-Morovis | 11. 2 | 11. 2 | | 1 |
| · · · · · · · · · · · · | Calle Europa-De Diego-Loíza | 2. 3 | 2. 3 | | |
| • · · · · · · · · · · | Barrio Obrero-Río Pierdas | 6. 2 | 6. 2 | | |
| | Hatiilo-Bayaney | 8. 0 | 8. 0 | | 8 |
| | Camuy-San Sebastián | 29. 2 | 29. 2 | | 29 |
| | Miramar-Martin Peña | 2.1 | 2. 1 | | |
| | Guayanilla-Ponce | 24. 0 | 24. 0 | | 24 |
| | Mayaguez - Correctional | 5. 2 | 5. 2 | | 1 |
| | Camuy-San Sebastian Miramar-Martin Peña. Guayanilla-Ponce. Mayagüez -Correcional Isabel II-Punta Arcnas-Vieques. San Germán-Yauco Añasco-San Sebastián Marina-Martín Peña. Bayamón-Toa Alta Canáyaras-Juncos | 13. 3 | 13. 3 34. 6 | | 13 34 |
| | Añosao-San Sahastián | 34. 6 17. 1 | 17. 1 | | 17 |
| | Marina-Martín Peña | 6.5 | 6. 5 | | |
| | Bayamón-Toa Alta | 11. 2 | 11. 2 | | 1 |
| | | 12.6 | 12.6 | | 12 |
| | Loiza-Rio Grande Hato Rey-Sanatorio- Rio Piedras-Sanatorio | 19. 0 | 19. 0 | | 19 |
| | Hato Rey-Sanatorio- | 4. 5 | 4. 5 | | 4 |
| | Río Piedras-Sanatorio | 5. 0 | 5. 0 | | (|
| | Cayey-Salinas Aibonito-Cayey-Salinas Cidra-Cayey San Germán-Las Vegas. Ponce-Jayuya. | 33. 0 | 33. 0 | | 35 |
| | Albonito-Cayey-Salinas | 4. 3 8. 7 | 4.3 | | 8 |
| | Clara-Cayey | 11. 2 | 8. 7 11. 2 | | 11 |
| | Popeo-Joyuwa | 13. 6 | 13. 6 | | 13 |
| | Javuva-Ponce | 7. 7 | 7. 7 | | - 1 |
| | Jayuya-Ponce. Ramal Toa Baja-Dorado. Ramal Dorado. Puente La Vega-Morovis. | 5. 0 | 5. 0 | | į |
| | Ramal Dorado | 7.0 | . 7.0 | 1.0 | 7 |
| | Puente La Vega-Morovis | 14. 9 | 14. 9 | | 14 |
| | Barceloneta-Arecibo | 22. 0 | 19.8 | 1.0 | 20 |
| | Lajas-Sabana Grande | 13. 1 | 13. 1 | | 13 |
| | Santurce-Carolina | 12.6 | 12.6 | | 12 |
| | Carolina-Juncos | 10.6 | 10. 4 | | 10 |
| | Puente La vega-Morovis. Barceloneta-Arecibo Lajas-Sabana Grande Santurce-Carolina. Carolina-Juncos Fajardo-Playa Ceiba-Ensenada Lana Diga-Litrel | 2. 2 4. 3 | 2. 2 4. 3 | | 4 |
| | Celba-Ensenada | 4. 3 6. 9 | 6. 9 | | 4 |
| | Guayama-Carite | 8, 1 | 8 1 | | 3 |
| | Guayama-Carite Bayamón-Aguas Buenas Buenos Aires-Lares | 7. 6 | 7. 6 | | 7 |
| | Buenos Aires-Lares | 5. 3 | 4.8 | | 4 |
| | Villalba-Orocovis | 11. 3 | 11. 3 | | 11 |
| | Villalba-Orocovis Puerto Real-Cabo Rojo Leprocomio-Rio Piedras. | 4.2 | 4. 2 | | 4 |
| | 7 7 7 | 2. 4 | 2. 4 | | 2 |

ASPHALTED ROADS—Continued

| Road No. | Sectino | Total Length | Total Leanth Asphalted | | |
|-------------|---|-----------------|--------------------------|---------------------|-------------------------|
| | | | Up to June 30 1942 | During 1942-1943 | Up to June 3 1943 |
| 8, | Quebradillas-Guajataca. | 9. 3 | 9, 3 | | 9 |
| 9 | Quentalinas-Vuajatara Puerto Real-Vieques Punta Arenas-Vieques Parguera-Lajas Parque Colón-Aguadilla Añosco-Pincón | 10. 1 | 10.1 | | 10 |
| 0 | Punta Arenas-Vieques | 6. 4 | 6.4 | | 6 |
| 1 | Parguera-Lajas | . 3.2 | 3. 2 | | 3 |
| 2 | Parque Colon-Aguadilla | 1. 5 | 1. 5 | | 1 |
| 3 | Añasco-Rincón | 8. 7 | 8. 7 | | 1 8 |
| | San German-Rosario | 7. 4 | 7. 4 | | 7 |
|) | Malacia Deserta Manati | 8. 2 | 8. 2 | | 8 |
| 3 | Coamo Conto Inchel | 1. 2 13. 6 | 1. 2 | | 1 |
| ((| San Germán-Rosario. Río Arriba-Saliente-Manatí. Malecón Fuerto Mayagüez. Coamo-Santa Isabe! Ramal-Hormiguros Emp. Carr. No. 1 v Carr. No. 41. R. Mariano Pardo-Cataño. Sánchez López Cataño. Avenida Nereida-Cataño. | 2. ? | 2. 3 | | 13 |
| treet | Emp Carr No 1 v Corr No 41 | 0.1 | 0. 1 | | 2 |
| tract | R. Mariano Pardo-Cataño | 1. 0 | 1. 0 | | 1 |
| treet | Sánchez López Cataño | 0.8 | 0.8 | | 0 |
| treet | Avenida Nereida-Cataño | 1. 0 | 1.0 | | 1 |
| load | Guaynabo-Acueducto. | 7. 0 | 7. 0 | | - 7 |
| oad | Río Piedras-Cupey Alto. | 11.4 | 11.4 | | 11 |
| oad | Trujillo Alto-Carraizo | 6, 6 | 5. 6 | | 6 |
| oad: | Carolina-Canovanillas | 8. 0 | 8. 0 | | 8 |
| .020 | Guaynaho-Acueducto. Río Piedras-Cupey Alto. Trujillo Alto-Carraizo. Carolina-Canovanillas. Ingenio-Sabana Seca | 2. 0 | 2. 0 | | 2 |
| oad | Cataño-Sabana Seca | 11.0 | 11.0 | | !1 |
| oad | Naranjito-Barrio Nuevo | 3.8 | 3. 8 | | 3 |
| oad | Atano-babana Seca Naranjito-Barrio Nuevo. Corozal-Palos Elancos. Guaynabo-Luis Alejandrino. Aguas Buenas-Jagueyes. Toa Alta-Los Cocos. Naranjito-Achiote | 5. 0 | 5. 0 | | 5 |
| oad | Guaynabo-Luis Alejandrino | 1. 2 | 1. 2 9. 7 | | 1 |
| oad | Too Alto Los Coses | 9. 7 8. 6 | 9. 7 6. 0 | 2. 6 | 9 |
| bso | Noroniito-Achieto | 3 4 | 3. 4 | 2. 0 | |
| oad | Naranjito-Achiote. Toa Alta-Quebrada Arenas. Pájaros-Candelaria. Bayamón-Buena Vista. | 10. 5 | 10. 5 | | 10 |
| oad | Pájaros-Candalaria | 2. 0 | 2. 0 | | 2 |
| oad | Bayamón-Buena Vista | 2. 2 | 2. 2 | | 2 |
| oad | Cataño-Palo Seco. | 1. 0 | 1. 0 | | 1 |
| oad | Corozal-Palmarito. | 2. 0 | 2. 0 | | 2 |
| oad | Catano-Faio 8620. Corozal-Palmarito. Guaynaho-Santa Rosa. Santurce-Boca Cangrejos. Cataño-Palmas. Bayamón-Cerro Gordo. Guaynaho-Hato Nagya. | 4.6 | 4. 6 | | 4 |
| oad | Santurce-Boca Cangrejos | 2. 3 | 2. 3 | | 2 |
| oad | Cataño-Palmas | 4.6 | 4.6 | | 4 |
| oad | Bayamón-Cerro Gordo | 2. 4 | 2. 4 | | 2 |
| oad | Guaynabo-Hato Nuevo | 1.0 | 1.0 | | 1 |
| oad | Caguas-Canabonetto | 3.4 | 3. 4 | | 3 |
| oad | None iita Ui-sillala | 15. 0 | 5. 7 2. 0 | | 6 |
| 080 | Guaynaho-Hato Nuevo. Caguas-Cañaborcito. Río Piedras-Carguas-Vías. Naranjito-Higuillales. | 2. 0 2. 0 | 2.0 | | 2 |
| oad | Truillo Alto-Voriente | 1.8 | 2.0 | | 2 |
| oad | Caserio I Savero Quiñones | 8.0 | 8.0 | | 9 |
| oad | Naranjito-Lomas. Naranjito-Lomas. Trujillo Alto-Variante. Caserio J. Severo Quiñones. Dorado-Maguayo Vega Alta-Espinosa. Vega Alta-Rio Lajas. Vega Alta-Mariego | 4. 4 | 4.4 | | 4 |
| oad | Vega Alta-Espinosa | 1.8 | 1.3 | | 1 |
| oad | Vega Alta-Río Lajas. | 3. 9 | 3. 9 | | Ŷ |
| oad | Vega Alta-Maricao | 2.1 | 2. 1 | | 2 |
| nad | Vega Alta-Candelaria | 12.9 | 12. 9 | | 12 |
| oad | Vega Alta-Sabana Hoyos | 6. 0 | 6. 0 | | 6 |
| oad | Vega Alta-Rio Lajas. Vega Alta-Maricao. Vega Alta-Candelaria. Vega Alta-Sabana Hoyos. Vega Baja-Rio Arriba. Vega Baja-Rio Arriba. Vega Baja-Algarrobo. Manatí-Barriadas. Manatí-Tierras Nuevas. Manatí-Río Arriba Poniente. Barceloneta-Garrapatas. | 3. 0 | 3. 0 | 4.0 | 3 |
| oad | Vega Baja-Pilerto Nuevo | 6. 0 | 6. 0 | | 6 |
| oad | Vega Baja-Algarrobo | 4.0 | 3, 0 | 4. 0 | 4 |
| oad | Manati Tionga Nuovas | 3. 0 | 3. 0 | | 3 |
| cad | Manati-Rio Arriba Poniente | 12. 0 | 12. 0 | | 12 |
| oad | Barceloneta-Carrapatas | 2. 9 | 2. 9 | | 2 |
| oad | Barceloneta-Quebradas | 5. 7 | 5. 7 | | 5 |
| oad | Barceloneta-Pajonal | 3. 0 | | | |
| oad | Arecibo-Bajadero | 6. 9 | 6. 9 | | 6 |
| oad | Barceloneta - Quebradas Barceloneta - Pajonal Arecibo - Bajadero . Arecibo - Galichosa . | 4.0 | 3. 0 | | 3 |
| oad | Arecibo-Puerto | 1.7 | 1. 7 | | 1 |
| oad | Morovis-Río Grande | 3. 0 | 3. 0 | | 3 |
| oad | Morovis-Palo Pan | 3. 0 | 1.0 | | 1 |
| oad | Arecibo-Ganciosa. Arecibo-Purrto Morovis-Río Grande. Morovis-Palo Pan Morovis-Pasto Ciales-Hato Viejo. | 7. 0 | 5. () | | F. |
| oad | Ciales Frantés | 3.0 | 1. 0 | | 1 |
| 0ad | | 9. 0 | 9. 0 | 1.0 | 9 2 |
| oad | Utuado-Argales | 1. 4 | 1.0 | 1.0 | 1. |
| oad | Ttuado-Viví | 6.5 | 6. 5 | | 6 |
| oad | Utuado-Arenas. Utuado-Arenas. Utuado-Viví Factor-Garrochales. Misoflores-Arenas. | 3, 0 | | | 17. |
| oad . | | 8. 1 | 5. 4 | | 5 |
| oad. | Utuado-Pajuil-Lares Arecibo-Bda. Coll y Toste | 6. ? | 6. 2 | | 6 |
| | | 0. 25 | 0.05 | | Ú. |

ASPHALTED ROADS-Continued

| | Sectino | Total Length | Total Leanth Asphalted | | | |
|-------------|---|-----------------|--------------------------|---------------------|--------------------------|--|
| Road No. | | | Up to June 30 1942 | During 1942-1943 | Up to June 30 1943 | |
| Road | Camuy-Abrahonda | 6. 0 | 6. 0 | | 6. | |
| coad | Camuy-Abrahonda. Camuy-Piedra Gorda. Quebradillas-San José | 3. 1 | 3. 1 | | 3. | |
| oad | Quebradillas-San José | 8. 25 | 3. 25 | | 3. | |
| oad | Carretera Militar | 8. 04 4. 5 | | | 8. 4. | |
| oad | Isabela-Guerrero. Isabela-Moca Isabela-Galateo. Isabela-Arenas. Isabela-Arenas. | 6. 0 | 6. 0 | | 6. | |
| oad | Isabela-Galateo. | 6. 0 | 6. 0 | | 6. | |
| oad | Isabela-Rda Corchado | 3. 5 2. 0 | 3. 5 2. 0 | | 3. | |
| oad | Isabela-Bda. Corchado. Isabela-Galateo Alto. | 1. 75 | 1.75 | | 1. | |
| oad | Aguadilla-Montaña Aguadilla-Borinquen. | 6. 0 | 6. 0 | | 6. | |
| oad | Aguadilla-Barriada Esteves | 4. 35 1. 7 | 4. 35 1. 7 | | 4. | |
| reet | De Diego & Esteves | 1. 47 | 1. 47 | | 1. | |
| oad | De Diego & Esteves. Aguadilla-Cuesta Vieja. Aguada-Espino. Aguada-Atalaya. | 1. 2 | | | 1. | |
| oad | Aguada-Espino | 1.0 | 1.0 | | 1. | |
| oad | | 5. 8 2. 3 | 5. 8 2. 3 | | 5. 2. | |
| nad. | Rincón-Cementerio Aguada-Naranjo San Sebastián-Saltos | 1. 2 | 1. 2 | | 12. | |
| oad | Aguada-Naranjo | 1.0 | 1.0 | | 1. | |
| oad | San Sebastian-Saltos | 3. 5 3. 0 | 3. 5 3. 0 | | 3. | |
| had | Moca-Vargas Núm. 1 | 2. 5 | 2. 5 | | 3. 2. | |
| oad | Moca-Isabela | 2. 0 | 2. 0 | | 2. | |
| oad | San Sebastián-Robles. Moca-Vargas Núm. 1. Moca-Isabela. Moca-Barrio Cruz. Moca-Cuchillas. Moca-Cuchillas. Moca-Vargas Núm. 2. Las Marías-Buena Vista. Los Morios-Harrorios. | 1. 65 1. 5 | 1.65 | | 1. | |
| ad | Moca-Vargas Núm. 2 | 1. 0 | 1. 0 | | 1. | |
| oad | Las Marías-Buena Vista | 8. 0 | 8. 0 | | 8. | |
| oad | Las Marías-Herrerías San Sebastián-Perchas. | 4. 2 6. 8 | 4. 2 6. 8 | | 4. | |
| oad | Lares-Río Prieto | 3. 2 | 3. 2 | | 6. 3. | |
| oad | Lares-Espino . Dominguito-Esperaza. | 3. 1 | 3. 1 | | 3. | |
| oad | Dominguito-Esperaza | 5. 5 | 5. 5 | | 5. | |
| oad | Esperanza-Bayaney Lares-Piletas | 4. 8 4. 0 | 4. 8 4. 0 | | 4. | |
| oad | Yauco-Río Prieto. Lares-Río Prieto vía Collazo. Quebradillas-San Antonio. | 4. 2 | 4. 2 | | 4. | |
| oad | Lares-Río Prieto vía Collazo. | 3. 5 4. 2 | 3. 5 | | 3. | |
| oad | Añasco-Humata | 2. 0 | 4. 2 2. 0 | | 4. | |
| oad | Añasco-Humata Añasco-Cerro Gordo | 2.0 | 2. 0 | | 2. | |
| reet | Mayaguez-Sanatorio Balboa & Betances-Mayagüez. Mayagüez-Leguisamo. Mayagüez-Río Cañas. Hormigueros-Eureka. Hormigueros-Rosario. San Germán-Coluí | 2. 8 0. 5 | 4.8 | 0. 5 | 4. | |
| ad | Mayagüez-Leguísamo. | 9. 1 | 9. 1 | 0. 0 | 0. 9. | |
| Jaa | Mayagüez-Río Cañas | 1.06 | 1.06 | | 1. | |
| oad | Hormigueros-Eureka | 2. 0 | 2. 0 | | 2. | |
| oad | San Germán-Cotuí | 3. 2 1. 0 | 3. 2 1. 0 | | 3. 1. | |
| oad | San Germán-Guamá. | 5. 5 | 5. 5 | | 5. | |
| ad | San Germán-Minillas | 3. 0 | 3. 0 | | 3. | |
| oad | San Germán-Cotui San Germán-Guamá. San Germán-Minillas. Sabana Grande-Machuchal. Sabana Grande-Caín Alto. Sabana Grande-Caín Alto. Sabana Grande-Haconuco. | 4. 0 1. 25 | 3. 0 1. 25 | | 3. 1. | |
| oad | Sabana Grande-Maricao | 21. 0 | 1.20 | | | |
| oad | Sabana Grande-Hoconuco | 6. 2 | | | | |
| oad | | 1. 7 7. 6 | 7. 6 | | 7. | |
| oad | Cabo Rojo-Joyuda. Cabo Rojo-Correccional. Cabo Rojo-Guanajibo Cabo Rojo-Pedernales. | 12.8 | 12.8 | | 12. | |
| oad | Cabo Rojo-Guanajibo | 3. 7 | 3. 7 | | 3. | |
| ad | Roquerón-Faro | 4. 0 6. 6 | 2. 0 | | 2. | |
| had | Boquerón-Faro Palmarejo-París | 4.7 | 4. 7 | | 4. | |
| nad. | Palguera-Papayo. Yauco-Rancheras. Yauco-Barriada A, Lluveras. | 1.9 | 1. 9 | | 1. | |
| oad | Yauco-Rancheras | 7. 1 3. 0 | 5. 0 | | 5. | |
| no d | Rubias-Carrizales. | 5, 4 | 1. 2 | | 1. | |
| oad | Maricao-Hatchery Ponce-Real y Anón Adjuntas-Guilarte Adjuntas-Garzas Ponce-Tibes | 2. 0 | | | | |
| oad | Ponce-Keal y Anon | 10. 6 8. 6 | 10. 6 8. 6 | | 10. | |
| oad | Adjuntas-Garzas | 8. 4 | 8.4 | | · 8. | |
| oad | Ponce-Tibes | 6. 0 | 6. 0 | | 6. | |
| oad | Ponce-Tibes Guayanilla-Sierra Baja Juana Diaz-Collores Juana Diaz-Naranjo | 6. 0 5. 68 | 6. 0 5. 68 | | 6. 5. | |
| oad | Juana Díaz-Naranjo | 5, 1 | 5. 1 | | 5. 5. | |
| oad | Coamo-Los Llanos | 5. 0 | 5. 0 | | 5. | |

ASPHALTED ROADS—Continued

| | | | Total Leanth Asphalted | | |
|-------------|--|-----------------|--------------------------|---------------------|--------------------------|
| Road No. | Sectino | Total Length | Up to June 30 1942 | During 1942–1943 | Up to June 30 1943 |
| Road | Peñuelas-Jaguas | 5. 0 | 5. 0 | | 5. |
| load | Javuva-Mameyes | 4. 5 | 4.7 | | 4. |
| lood | Villalba-Semil | 3. 4 | | | 3. |
| oad | l l'once-l'ampano | 2. 4 | 2. 4 | | 2, |
| oad | | 2. 0 | | | 2. |
| oad | Caragrae Caving | 2. 0 | | | 2 |
| oad | | 1. 5 1. 4 | 1. 5 1. 4 | | 1. |
| oad | Jayuya-Coabey. | 1. 0 | 1. 0 | | 1. |
| oad | Guavanilla-Plava | 058. | 1.0 | 0. 58 | 0. |
| oad | Guayanilla-Playa Guayama-Barrio Carmen | 6, 62 | 6. 62 | | - 6. |
| oad | Orocovis-Damián. Comerio-Palomas. Patrillos Parriy Dayl | 6. 3 | | | 6. |
| oad | Comerío-Palomas | 6. 2 | 6. 2 | | 6. |
| oad | Patillas-Barrio Real Barranquitas-Barrancas. | 5. 52 | 5. 52 | | 5. |
| oad | Barranquitas-Barrancas | 5. 38 | 5, 38 | | 5. |
| ood | Barranquitas-Academia | 0.40 | 0.40 | | 0. |
| oad | Barranquitas-Palo Hincado | 3. 0 | | | |
| oad | Aibonito-Gyon Arroyo-Barrio Yaurel. | 5. 1 5. 03 | 5. 1 | | 5. |
| oad | Aibonito-Pulguillas. | 5. 03 | 4, 23 | | 4. |
| oad | Cidra-Barrio Ceiba. | 4. 2 | 4.9 | | 5. 4. |
| oad | Salinas-Quebrada Veguas | 2. 5 | 2.5 | | 2. |
| oad | Comerío-Piñas Cayey-Barrio Cedro. | 2. 4 | 2. 4 | | 2 |
| oad | Cayey-Barrio Cedro | 2. 3 | | | 2 |
| oad | Cayey-Guavate | 12.0 | | | |
| oad | Aibonito-Preventorio | 1. 0 | 1, 0 | | 1 |
| oad | Cayey-Guavate Aibonito-Preventorio Aibonito-Los Llanos. | 0.8 | | | 0 |
| oad | Patillas-Munoz Rivera | 5. 5 | | | |
| oad | Río Grande-Guzmán | 5. 8 | 5. 8 | | 5 |
| oad oad | | 7. 0 | | | |
| oad | | 7. 0 6. 5 | 3. 0 | | 3 |
| oad | | 5. 4 | 5. 4 | | 5 |
| ood | | 5, 3 | 5. 0 | | 5 |
| oad | Humacao-Antón Ruiz | 8. 0 | 8. 0 | | 8 |
| oad | Humacao-Trinidad Humacao-Mariana Yabucoa-Puerto Guayanés | 1.0 | | | ĭ |
| oad | Humacao-Mariana | 2. 0 | 2. 0 | 1.0 | 2 |
| oad | Yabucoa-Puerto Guayanés | 3. 0 | | 3.0 | 3 |
| oad | Yabucoa-Limones Yabucoa-Camino Nuevo. | 1.8 | | 1.8 | /1 |
| oad | Fajardo-Bda. Santiago Veve. | 2. 6 1. 8 | | 1.6 | 1 |
| oad | Gurabo-Jagual. | 2. 5 | 2. 5 | 1.0 | . 1 |
| oad | | 6. 4 | 6.4 | | 6 |
| oad | | 0. 7 | | 0. 7 | 0 |
| oad | | 6. 1 | 6. 1 | | 6 |
| oad | San Lorenzo-Cerro Gordo | 2. 0 | 2. 0 | | 2 |
| oad | San Lorenzo-Juncos | 5. 9 | 5. 9 | | 5 |
| oad | Juncos-Lirios Juncos-Valencianos-Florida | 1.0 | 1.0 | | 1 |
| oad | Juncos-Valencianos-Florida | 6.0 | 6. 0 | | 6 |
| oad | Las Piedras-Montones Caguas-Bda. J. Mercado | 1.0 | 1.0 | | 1 |
| oad | Caguas-Bda. J. Mercado | 1.8 | 3. 7 | | |
| oad | San Lorenzo-Jagual. Gurabo-Jaguas. | 3. 7 2. 5 | 5. (| | 3 2 |
| oad | Naguabo-El Duque | 3. 4 | | | 2 |
| oad | Naguabo-Mariana. | 4. 2 | 4.7 | | 4 |
| oad | Isabel Segunda-Puerto Diablo | 8. 2 | 8. 2 | | 8 |
| oad | Culebra-Flamenco | 0. 4 | 0. 4 | | 0 |
| oad | Humacao-Bda. Antonio Roig | 1, 5 | 1. 5 | | 1 |
| oad | | 2.8 | 2.8 | | 2 |
| | The state of the s | | 0.500 | - | |
| | TOTALS | 2, 877. 08 | 2, 738. 20 | 18, 78 | 2, 756 |

DIVISION OF PUBLIC BUILDINGS AND MUNICIPAL WORKS

The functions of this Division include those of the former Division of Public Buildings and Division of Municipal Works, both of which were merged into one by Act No. 253 of May 14, 1942 (Insular Budget). The Division is in charge of the design, construction, repair and maintenance of public buildings belonging to the Insular Government. It is also in charge of all technical matters entrusted to the Department of the Interior, relative to the surveys, plans and estimates of projects for water supply, sanitary and storm sewerage systems, street paving, stream channels improvement, retaining walls, etc., for the municipalities as well as for the Insular Government.

Operations during the year 1942-43 were seriously hampered, if not curtailed, on account of the searcity of building materials and of the limitations and restrictions on construction projects prescribed by the War Production Board.

The repair and maintenance of the Insular public buildings constitute one of the most important duties of this division. Owing to the fact that many of these buildings are over 200 years old it is difficult to keep them in a first class condition, specially the roofs that are deteriorating to a considerable degree.

The regular appropriation of \$125,000 made by the Insular Legislature has resulted inadequate to provide the proper maintenance of the buildings and it is recommended that it be substantially increased.

During this years the sum of \$200,000 was appropriated for the repair of public school buildings and grounds, including drainage, grading and planting, either municipal or Insular, with or without Federal aid. This amount was not sufficient to cover the total cost of repairing the school buildings according to the estimates prepared by this office and for this reason some of the works were not undertaken.

Among the works executed under this appropriation were a twelve (12) room-school building in Patillas, a six (6) room-school building in Guayama, the Guayama High School and many other school buildings which were in urgent need of repair. Some of these buildings were so seriously damaged that they were closed at the time the repair work was started.

With the amount available more than fifty-six (56) school buildings scattered throughout the Island were repaired.

There was further set aside in the Insular budget the sum of \$250,000 for the completion of school buildings in the rural and urban zones of the Island.

With this appropriation five (5) school buildings in the municipalities of Cabo Rojo, Comerío, Maricao, Naguabo and Humacao were completed by administration. In the completion of these school buildings the sum of \$75,077.33 was spent. The school buildings at Cabo Rojo, Comerío and Naguabo were partially constructed by the municipalities with the cooperation of the W.P.A. but due to lack of funds, construction was stopped before completion. This Department continued the work started until they were finnally completed.

Among the duties of the division is the design and construction of new public and school buildings for which appropriations were made by the Legislature. The projects that should be mentioned for their importance are the construction of eleven (11) reinforced concrete buildings in various municipalities of the Island; the construction of twenty-seven (27) fire stations, type A, nine (9) fire stations type B, and a reinforced concrete warehouse for the Civilian Defense. These fire stations will be constructed in various towns of Puerto Rico.

The construction of an annex for the Department of Agriculture and Commerce and an addition to this very same building are projects that require special note.

The urgent need of sufficient and adequate space for installing the offices of the various Departments and Agencies of the Insular Government was an important problem that required prompt action. In view of this situation the Legislature approved Act No. 198, by which the sum of \$300,000 is appropriated and the Commissioner of the Interior is authorized to lease lands and buildings where the offices of the various Departments and Agencies of the Insular Government could be installed and to expropriate lands and buildings to carry out the purpose of that Act, and to construct buildings of a temporary nature, in case there be no available buildings suitable for lease or expropriation.

By this Act the Commissioner was also empowered to make the necessary repairs to buildings acquired, or to the buildings now occupied by offices of the Insular Government.

In carrying out the provisions of this Act the following expenditures were made during this year:

Buildings Expropriated:

| Blanche Kellogg InstituteAllen No. 4 | |
|--------------------------------------|-------------------------------|
| Repair of various buildings | \$206, 000. 00 60, 203. 00 |
| Rental paid—Other buildings | 3, 341. 00 |
| Total | \$269, 544. 00 |

Among the important projects entrusted to the division during this year was that providing for the construction of water supply systems in the rural districts of the Island, for which the sum of \$90,000 was appropriated by Act No. 145 of the Legislature of Puerto Rico, approved May 8, 1942.

Surveys, plans and estimates were made for the water supply systems for the wards of "Rosario" of San Germán, "Florida" of Barceloneta, "Limón" of Yabucoa, "Coto Norte" of Manatí, "Barrio Bajo" of Patillas and "Jobos" of Guayama. The project for "Limón" ward was completed during this year and work was started on those of the wards of "Maguayo" of Dorado, "Corozo" of Cabo Rojo, "Rosario" of San Germán and "Coto Norte" of Manatí.

PUBLIC BUILDINGS SECTION

PROJECTS PREPARED BY THE DIVISION OF PUBLIC BUILDINGS AND MUNICIPAL WORKS DURING THE FISCAL YEAR 1942-1943

FIRE STATIONS

CIVILIAN DEFENSE

| Town | BUILDING | Type | Funds | Estimated Cost |
|---------------|----------------------------------|------|------------|-------------------|
| Aguadilla | Fire Station. | В | Insular | \$9, 873. 00 |
| Arecibo | Fire Station. | B | Insular | 9, 873, 00 |
| Arroyo | Fire Station. | A | Insular | 5, 000. 00 |
| Bayamón | Fire Station. | A | Insular | 5, 000. 00 |
| Caguas | Fire Station | В | Insular | 9, 873. 00 |
| Carolina | Fire Station | A | Insular | 5, 000. 00 |
| Cataño | Fire Station | A | Insular | 5, 000. 00 |
| Cayey | Fire Station | A | Insular | 5, 000, 00 |
| Coamo | Fire Station | A | Insular | 5, 000. 00 |
| ajardo | Fire Station | A | Insular | 5, 000. 00 |
| Juánica | Fire Station | A | Insular | 5, 000. 00 |
| Juayama | Fire Station | В | Insular | 9, 873. 00 |
| Jurabo | Fire Station | A | Insular | 5, 000. 00 |
| Humacao | Fire Station | В | Insular | 9, 873. 00 |
| uncos | Fire Station | A | Insular | 5, 000. 00 |
| Manati | Fire Station | A | Insular | 5, 000. 00 |
| Mayagüez | Fire Station | В | Insular | 9, 873. 00 |
| Ponce | Fire Station | A | Insular | 5, 000. 00 |
| Ponce | Fire Station | В | Insular | 9, 873. 00 |
| Río Piedras | Fire Station | В | Insular | 9, 873. 00 |
| Sabana Grande | Fire Station | A | Insular | 5, 000. 00 |
| San Germán | Fire Station | A | Insular | 5, 000. 00 |
| San Juan | Fire Station | 5-A | Insular | 25, 000. 00 |
| San Juan | Fire Station | В | Insular | 9, 873. 00 |
| San Lorenzo | Fire Station | A | Insular | 5, 000. 00 |
| Santa Isabel | Fire Station | A | Insular | 5, 000. 00 |
| Jtuado | Fire Station | A | Insular | 5, 000. 00 |
| Vega Alta | Fire Station | A | Insular | 5, 000. 00 |
| Jega Baja | Fire Station | A | Insular | 5, 000. 00 |
| Yabucoa | Fire Station | A | Insular | 5, 000. 00 |
| Yauco | Fire Station | A | Insular | 5, 000. 00 |
| San Juan | Store House for Civilian Defense | | Insular | 9, 974. 00 |
| | Total | A | \$5,000.00 | \$135, 000. 00 |
| | Total 9 | В. | 9, 873. 00 | 88, 857. 00 |
| | Store House | | | 9, 974. 00 |
| | TOTAL ESTIMATED COST | | | \$233, 831. 00 |

CONSTRUCTION AND COMPLETION OF SCHOOL BUILDINGS

| Town | Description of Building | No. of Class Rooms | Funds | Expended During Fiscal Year 1942-43 |
|---|--|---|-------|---|
| Cabo Rojo Comerío Humacao Maricao Naguabo | Completion of a High School Building Completion of a High School Building Completion of a School Building Bo. Playa Completion of a School Building Completion of a School Building Material & Miscellaneous Expenses. Salaries & Transportation of Materials Travel Expenses. | 16 2 4 8 | 1 | \$6, 567. 97 16, 876. 47 1, 067. 70 4, 885. 30 17, 836. 97 20, 485. 07 6, 561. 12 7, 796. 73 |
| | | | | \$75, 077. 33 |
| | WORK BY CONTRACT | | | |
| | Labor & Transfortation of Materials for the Construction of Eleven School Buildings | | | |
| Villalba | Reinforced Concrete School Building Reinforced Concrete School Building. Reinforced Concrete School Building | 1 1 2 2 2 2 3 3 4 4 4 6 8 | I | 2, 000, 00 2, 000, 00 3, 550, 00 3, 550, 00 4, 900, 00 5, 050, 00 9, 200, 00 13, 600, 00 17, 400, 00 24, 300, 00 |
| | GRAND TOTAL | | | \$174, 922. 67 |
| | Grand Total | | | \$250, 000. 00 |



Constructed by Force Account With Combined Insular and W.P.A. Funds.-Completed, September, 1941. DEPARTMENT OF AGRICULTURE AND COMMERCE BUILDING, SANTURCE. Sergio Cuevas Bustamante, Commissioner of the Interior.



APPROXIMATE VALUATION OF BUILDINGS PROPERTY OF THE INSULAR GOVERNMENT

| | INSULAR GOVERNMEN | V.T. | | |
|--------------|--|---|--|--|
| Town | BUILDING | Funds | Expended During 1942–43 | Valuation of Building |
| Aguadilla | District Jail. District Court. Insular Police Barracks. District Hospital. Insular Telegraph Offices. | I I I I | \$745.66 72.41 | \$35, 000.00 50, 000.00 10, 000.00 531, 500.00 5, 000.00 |
| Aibonito | Commissioner of the Interior Summer Residence | I | 845.00 | 9,000.00 |
| Arecibo | District Jail. District Court. Insular Police Barracks. District Hospital | I I I | 945.55 1, 152.39 | 60, 000.00 20, 000.00 15, 000.00 520, 500.00 |
| Barranquitas | Muñoz Rivera Park & House | I | 1, 748.10 | 8, 000.00 |
| Bayamón | District Court District Hospital | I I | 339.61 622.06 | 15, 000.00 553, 800.00 |
| Caguas | Insular Telegraph Offices & Police Station | I | | 20, 000.00 |
| Coamo | Insular Police Barracks | I | 115.00 | 10,000.00 |
| Ceiba | Insular Telegraph Offices | Ι . | | 2, 000.00 |
| Culebras | Insular Telegraph Offices | I | | 5, 000.00 |
| Guayama | District Jail District Court Insular Police Barracks. Tuberculosis Hospital | I I I | 1, 529.33 391.70 953.12 | 25, 000.00 50, 000.00 15, 000.00 30, 000.00 |
| Guaynabo | Insular Home for Boys | I | 959.61 | 175, 000 .00 8, 000 .00 |
| Guánica | Insular Police Barracks | I | | 10,000.00 |
| Humacao | District Jail District Court. Insular Police Barracks. | I I I | 1, 005.26 63.89 | 30, 000 .00 50, 000 .00 10, 000 .00 |
| Mayagüez | Insular Police Barracks. Insular Industrial School for Boys. Tuberculosis Hospital. Captain of the Port. Insular Telegraph Office. | I I I I | 47.12 53.60 | 10, 000.00 300, 000.00 30, 000.00 10, 000.00 10, 000.00 |
| Ponce | Castillo Building: 1—District Jail. 2—District Court. 3—Municipal Court. Castillo Building Annex: 1—Jail for Minors. | I I | 986.35 424.35 | 150, 000.00 12, 000.00 5, 000.00 |
| | 2—Jailers Residence | I | | 70,000.00 |
| | Antituberculosis Sanatorium. Blind Asylum District Hospital. Ana Roqué Industrial School Captain of the Port. Insular Government Offices Insular Police Barracks. Insular Telegraph Offices. | I I I I I | 749.90 800.74 460.23 14.68 | 125, 000.00 100, 000.00 85, 000.00 8, 000.00 80, 000.00 10, 000.00 3, 000.00 |
| Río Piedras | Insular Hospital of Psychiatry Insular Penitentiary Antituberculosis Sanatorium Insular Police Barracks Residence of the Commissioner of Interior | IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | 17, 038.67 228.99 10, 007.45 611.52 645.67 | 1, 107, 000.00 800, 000.00 500, 000.00 8, 000.00 10, 000.00 |
| San Lorenzo | Insular Telegraph Offices | I | | 10, 000. 00 |
| San Juan | Intendencia Building: 1—Treasury Department 2—Auditors Office National Guard. Tourist Information Office Diputation Building: | I I I | 1, 723 .35 333 .53 | 300, 000.00 15, 000.00 110, 000.00 |

APPROXIMATE VALUATION OF BUILDINGS PROPERTY OF THE INSULAR GOVERNMENT—Cont.

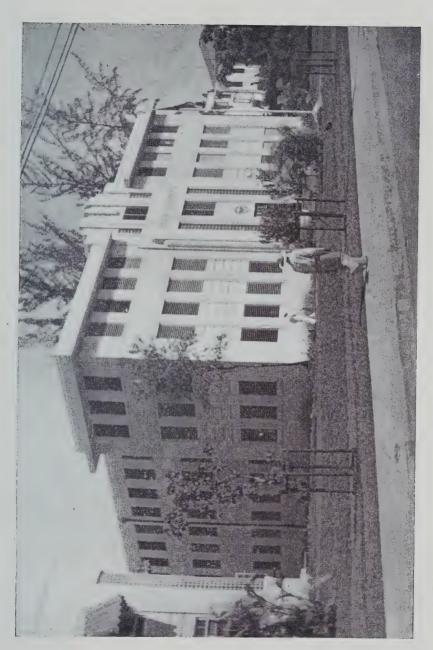
| Town | BUILDING | Funds | Expended During 1942–43 | Valuation of Building |
|---------------|---|-------|-------------------------------|--------------------------|
| | 1—District Courts. | I | 4,685.78 | |
| | 2-Municipal Courts. | I | 25 04 | |
| | 3—Insular Telegraph | I | 2, 267.51 | |
| | 4—I. R. Collection Office | I | 323.14 | |
| | Executive Mansion | I | 3, 135.58 | 260,000.00 |
| | Executive Secretary's Office—Allen No. 1 | I | 609.83 | 45, 000.00 |
| | Department of Justice, Allen 3 | I | 1, 973.63 | 100,000.00 |
| | Department of Education: | | | |
| | Allen No. 5 | Ī | 2, 028. 97 | 80, 000. 00 |
| | Allen No. 2 | I | | 45, 000. 00 |
| | 1—Residence of the Commissioner | _ | | |
| | of Education | Ī | 293. 05 | |
| i | 2—Residence of the Auditor of P. R | Ĩ | 1, 293. 63 | |
| | 3—Residence of the Attorney General | Ĩ | 1, 629. 13 | |
| i | Civil Service Offices, Allen 4 | Ĩ | | 60, 000. 0 |
| | Pabellón San Juan | Ī | 365. 14 | 18, 000. 0 |
| | Annex to the USO Buildings | Ī | 71.00 | 10, 000. 0 |
| | 1—Bureau of Mines | Ī | 71.60 | 100 000 0 |
| | Bureau of Supplies, Printing & Transp | Ĩ | 1, 131. 12 | 130, 000. 0 |
| | Department of Labor | I | 2, 718. 66 | 40,000.0 |
| | Carnegie Library | | 804. 77 | 75, 000. 0 |
| | Hornos Militares | Ĩ | 69. 97 | 25, 000. 0 |
| | Insular Police Barracks | Ĩ | 200. 49 | 20, 000. 0 |
| | Insular Police Headquarters | Ī | 3, 583. 20 | 60, 000. 0 |
| | Insular Police Barracks, Puerta de Tierra | Ĩ | 41. 34 | 10, 000. 0 |
| | Industrial Commission | Ĩ | 575. 46 | 25, 000. 0 |
| | Book Storage Building | I | | 15, 000. 0 |
| | (Dept. of Education) | | 4 200 24 | 1 50 000 0 |
| | District Jail | I | 1, 727. 54 | 150, 000. 0 |
| Santurce | Department of Health: | | | |
| | (Main Offices—Stop 19) | I | 4, 379. 02 | 160, 000. 0 |
| | Insular Home for Girls | Ī | 11, 334. 02 | 170, 000. 0 |
| | Blind Children's Institute | Ī | 2, 285. 73 | 100, 000. 0 |
| | Industrial School for Blind Adults | I | | 10, 000. (|
| | Insular Telegraph Office | Ï | 211. 58 | 1, 500. (|
| | Insular Police Station (Stop 19) | Ι | 258. 82 | 10, 000. |
| | Insular Police Station | I | 736. 91 | 10, 000. (|
| | Department of Agriculture and | _ | | |
| | Commerce—Main Bldg | · I | 2, 622. 97 | 160, 000. 0 |
| | Department of Agriculture and | _ | | |
| | Commerce—Laboratory Buildings | Î | | 42, 000. 0 |
| | Land Authority Office | Ĩ | | 110, 000. 0 |
| | Department of the Interior—Stop 22½ | I | 4, 700. 00 | 178, 000. |
| | 1—Board of Planning, Urbanizing | ~ | 0 500 00 | |
| | and Zoning | Ī | 2, 500. 00 | 6, 000. 0 |
| | 2—Board of Pension of Insular Employees. | I | 800.00 | 2, 000. 0 |
| | Miscellaneous Expenses | | . 13, 359. 46 | |
| Crujillo Alto | Hospital for the Leper | I | 5, 904. 84 | 200, 000. 0 |
| rajiio Aio | 25 Public Health Units | Ť | 859. 01 | 275, 000. 0 |
| | LO I GOILO LIOGION CHIUS | | | 270,000.0 |
| | GRAND TOTAL | | . \$126, 748. 10 | \$8, 963, 300. |

SUMMARY

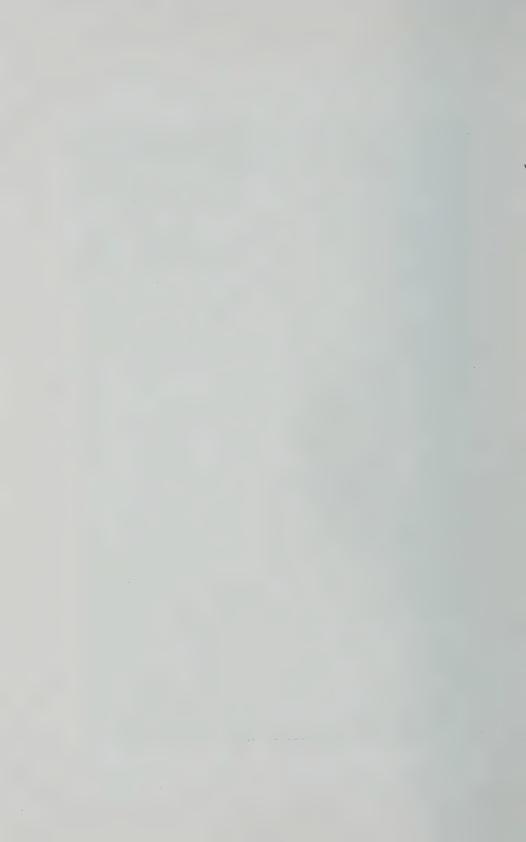
| Amount exp | ended |
|---|--------|
| during 194 | 2-43 |
| Department of Health \$54, 28 | 0.68 |
| Department of Justice 19, 10 | 4. 18 |
| | 22.97 |
| Department of Education 2, 29 | 4. 91 |
| | 1, 08 |
| Department of the Interior 10,48 | 6. 58 |
| Executive Secretary 4, 90 | 3.64 |
| | 79.09 |
| Insular Police 6, 53 | 35, 08 |
| Other Buildings 4,68 | 32. 33 |
| Miscellaneous Expenses 13, 35 | 59. 46 |
| Total\$125, 00 | 00.00 |
| Muñoz Rivera Park and House in Barranquitas | 48. 10 |
| Grand Total \$126, 74 | 48. 10 |

REPAIR OF PUBLIC SCHOOL BUILDINGS AND GROUNDS WITH OR WITHOUT FEDERAL AID

| Town | Description of Buildings | No. of Class Rooms | Funds | Expended During F. Y. 1942-43 |
|-------------------------|--------------------------------------|--------------------------|----------------|-------------------------------------|
| | Worv by Force Account | | | |
| Aguada | School Building | 4 | I | 1, 214, 77 |
| Aguas Buenas | Rafael Nicolau School | | I | 2, 996. 89 |
| Aibonito | School Building | | I | 3, 832, 52 |
| Añasco | Ramírez de Arellano School | | Į | 943.23 |
| Arecibo | Bo. Bajadero School | 4 | Į | 625.67 |
| Bayamón Barranquitas | Dunlevy School School Building | 6 4 | I | 8, 359. 26 |
| Barranquitas | School Building | | ļ † | 2, 105.23 1, 229.83 |
| Cabo Rojo | P. F. Colberg School. | | Ī | 2, 219. 26 |
| Carolina | Clemente Fernández School | 6 | Î | 884.93 |
| Cataño | Dr. Figueroa School | 14 | I | 3. 872.63 |
| Cayey | B. Harrison School | 16 | I | 6, 684.83 |
| Ceiba | S. Iglesias School | 4 | Į | 2, 163.22 |
| Ciales | School Building | 11 | Į | 2, 925. 54 |
| Cidro | Bo. Frontón School | 6 10 | Į | 2, 481. 56 |
| Cidra Coamo | Muñoz Rivera School | 16 | I | 4, 612. 32 5, 884. 11 |
| Comerío | Bo. Cedrito School. | 2 | Î | 1, 659, 31 |
| Comerio | Bo. Naranjo School | $\tilde{4}$ | <u> Ī</u> | 2, 223, 59 |
| Corozal | Lincoln School Annex | 6 | 1 | 3, 087, 34 |
| Dorado | Jacinto López School | 12 | I | 7, 324. 91 |
| Fajardo | High School | 12 | Į | 1, 804.93 |
| Guayama | E. Derkes School | 6 | Į | 5, 504. 22 |
| Guayama Gurabo | High School | 16 8 | ± | 13, 073.06 |
| Gurabo | School Building | 0 | I | 6, 070. 71 1, 168. 49 |
| Hatillo | School Building. | 10 | Î | 2, 535, 49 |
| Hormigueros | Ruiz Belvis School | 6 | Ī | 578. 67 |
| Humacao | Antonia Saez School | 12 | I | 5, 490. 48 |
| Juncos | School Building | 16 | <u>I</u> | 5, 204.45 |
| Lajas | Perry School | 6 | Į | 771.62 |
| Lares Las Marías | High School. De Hostos School. | 12 | I | 2, 755. 25 1, 268, 17 |
| Las Piedras | Roig School. | . 6 | į | 2, 865. 16 |
| Manatí | Severo Quiñones School | 16 | Î | 3, 217, 04 |
| Maunabo | School Building | 7 | | 3, 559. 79 |
| Maunabo | Bo. Palo Seco School | 4 | Į | 1, 701. 47 |
| Moca | School Building | 8 | Ĭ | 6, 785. 05 |
| Morovis | School Building | 6 | I | 5 644.93 |
| Naguabo Naranjito | Eugenio Bras School. School Building | 12 12 | I | 840.27 5, 957, 92 |
| Orocovis | Pedro Arroyo School | 6 | 1 | 2, 540, 23 |
| Patillas | School Building | 12 | Ī | 6, 993. 52 |
| Río Grande | Pimentel School | 6 | I | 2, 075. 57 |
| an Germán | Antonia Martínez School | 6 | 1 | 857.84 |
| San Lorenzo | Muñoz Rivera School | 10 | 1 | 3, 537. 51 |
| San Sebastián | Cardé School | 6 | Į | - 1, 105. 95 |
| Toa Alta Toa Alta | «Bo. Quebrada School | 2 2 | I | 582. 51 3, 723. 58 |
| Vega Alta | José De Diego School. | 6 | į | 1, 042, 5 1 |
| Vega Alta | School Building | 6 | Î | 2, 832.95 |
| Vega Baja | E. Padilla School | 16 | Î | 6, 656. 71 |
| Vega Baja | Industrial Arts School | 6 | I | 2, 657. 16 |
| Yabucoa | Bo. Playita School | 3 | <u>I</u> | 2, 446.82 |
| Yabucoa | Bo. Aguacate School. | 4 | I | 2, 260.21 |
| | Salaries & Miscellaneous Expenses | | | 13, 044. 02 |
| | Travel Expenses | | | 1, 150. 74 |
| | Gran Total | | | .\$200, 000.00 |

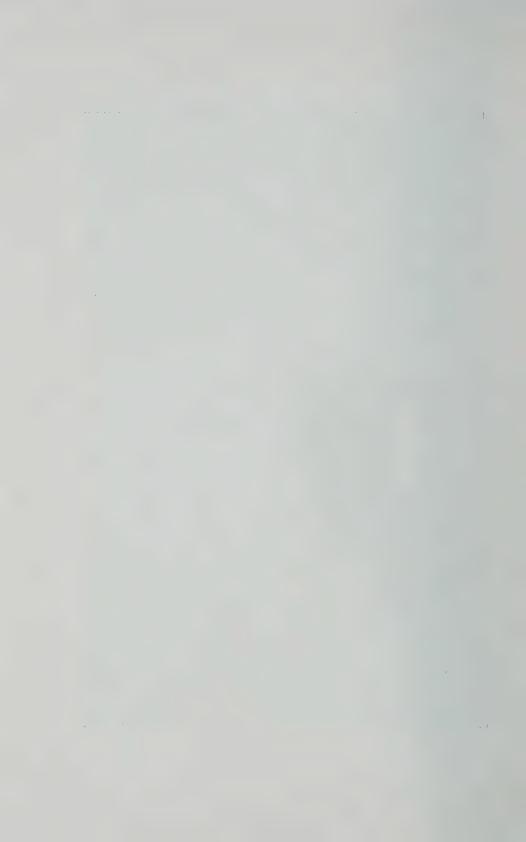


Rafael Carmoega, Contractor. PUERTO RICO LAND AUTHORITY BUILDING, SANTURCE. — COMPLETED, DECEMBER 28, 1942. Sergio Cuevas Bustamante, Commissioner of the Interior.





DEPARTMENT OF THE INTERIOR BUILDING SANTURCE
EAST SIDE ELEVATION



WORK DONE DURING FISCAL YEAR 1942-1943 OTHER APPROPRIATIONS

I—Paid from Insular Funds M—Paid from Municipal Funds WPA—Paid from Federal Funds

| Town | Description of Work | Funds | Total Expended or Obligated to Date |
|------------------|--|-------|--|
| Lares Bayamón | Antituberculosis Clinic Construction of a Contagious Disease Hospital for the Department of Health | I | \$9, 776. 99 69, 300. 00 |
| San Juan | First Aid Station—Army and Navy | I-WPA | 10, 000. 00 |
| | Total | | \$89, 076. 99 |

WORK DONE BY CONTRACT

| Town | Building | Туре | Total |
|----------------------|---|--------|---------------------------|
| Aguadilla | Construction of a fire Station. | В | \$11, 900. 00 |
| Arecibo | Construction of a fire Station | В | 11, 000, 00 |
| Arroyo | Construction of a fire Station | A | 4, 950. 00 |
| Bayamón | Construction of a fire Station | A | 5, 515. 00 |
| Coamo | Construction of a 1 re Station | A | 4, 950. 00 |
| Carolina | Construction of a fire Station | A | 4, 515. 00 |
| Cataño | Construction of a fire Station | A | 4, 515. 00 |
| Cayey | Construction of a fire Station | A | 3, 783. 34 |
| Caguas | Construction of a fire Station | В | 8, 689. 50 |
| Fajardo | Construction of a fire Station | A | 4, 515. 00 |
| Guánica | Construction of a fire Station | A | 4, 950. 00 |
| Guayama | Construction of a fire Station | В | 11, 900. 00 |
| Gurabo | Construction of a fire Station | A | 3, 703. 34 |
| Humacao | Construction of a fire Station | В | 8, 639. 50 |
| Hato Rey | Construction of a fire Station | A | 4, 515. 00 |
| Juncos | Construction of a fire Station | A | 3, 503. 34 |
| Mayagüez | Construction of a fire Station | В | 11, 900. 00 |
| Manatí | Construction of a fire Station | A B | 4, 500. 00 |
| Ponce | Construction of a fire Station | B | 11, 900. 00 |
| Ponce-Playa | Construction of a fire Station | B | 4, 950. 00 12, 585. 00 |
| Río Piedras | Construction of a fire Station. Construction of 5 fire Stations. | A | 22, 575. 00 |
| San Juan San Juan | Construction of a fire Stations. | B | 12, 583, 00 |
| Sabana Grande | Construction of a fire Station. | A | 4, 950, 00 |
| San Lorenzo | Construction of a fire Station. | A | 3, 403, 34 |
| San Germán. | Construction of a fire Station. | Ā | 4, 950, 00 |
| Santurce | Construction of a warehouse for Civilian Defense | A | 15, 185, 00 |
| Santa Isabel | Construction of a fire Station | A | 4, 950, 00 |
| Utuado | Construction of a fire Station. | A | 4, 400. 00 |
| Vega Baja | Construction of a fire Station | A | 4, 300. 00 |
| Vega Alta | Construction of a fire Station. | A | 4, 500. 00 |
| Yabucoa | Construction of a fire Station. | Â | 4, 164, 84 |
| Yauco | Construction of a fire Station. | A | 4, 950. 00 |
| | Total | | \$237, 092. 20 |

OTHER BUILDINGS

| Town | BUILDING | Fund | Estimated Cost |
|-------------------|--|------|--|
| Santurce Santurce | Construction of a retention Wall for Lot Surrounding the Agriculture and Commerce Building | I | \$10, 561. 93 106, 645. 59 87, 643. 00 \$204, 850. 52 |

MISCELLANEOUS WORKS

| Description | Amount Expended 1942–1943 |
|---|------------------------------|
| Continuation of the Capitol Building and purchase of its office furniture | \$59, 876. 52 |
| Extension and improvements of Insular Properties | 9, 933. 00 |
| Expenditures incurred by the Commissioner of the Interior in the execution of certain works and equipment of public buildings | 12, 047. 82 |
| Total | \$81, 857. 34 |

MUNICIPAL WORKS SECTION

Projects

Surveys were made and plans and estimates prepared for the following:

| Pescription | Estimate |
|--|----------------|
| 1. Barceloneta—Water supply system for "Florida" Ward | |
| 2. Dorado—Construction of deep wells for the water supply of "Maguayo" Ward | 2, 500. 00 |
| 3. Guayama—Construction of a reinforced concrete tank for the water supply of "Jobos" Ward | 3, 000. 00 |
| 4. Jayuya—Construction of a retaining wall along the margin of the "Río Grande" River | 121, 527. 00 |
| 5. Manati—Water supply system for "Coto Norte" Ward | 992.00 |
| 6. Naranjito-Improvement and extension of the municipal ceme- | 6 000 00 |
| tery | 6, 000. 00 |
| 7. Patillas—Water supply system for "Bajo" Ward | 4,500.00 |
| 8. Ponce—Improvements to the water supply system of the Industrial School for Girls "Ana Roqué Duprey" | 9, 500. 00 |
| 9. Río Piedras—Reconstruction of a sanitary sewer branch at the Insular Insane Asylum | 1, 500. 00 |
| 10. San Germán—Water supply system for "Rosario" Ward | 24, 000. 00 |
| 11. San Juan—Reconstruction of the sewer at Street No. 1 on the Reclaimed Lands, Puerta de Tierra | 10, 000. 00 |
| 12. San Juan—Installation of a 4" diameter pipe line for the water supply of the Insular Capitol | 4, 000. 00 |
| 13. San Juan—Extension of the sewage system of the Muñoz Rivera Park, Zone of the "Escambrón" | 3, 000. 00 |
| 14. Yabucoa—Extension of the water supply system to "Limón" Ward | 997. 50 |
| - 14 Projects with estimates amounting to | 4011 516 50 |
| 11 110 Jeeus with estimates amounting to | \$211, 510. 50 |

Preliminary plans and estimate amounting to \$3,421,000.00, were prepared for improvements in the wards of "Fanguito," "Hoare," "South Section of Barrio Obrero," in Santurce, and "South Section of Cataño".

Projects prepared by private engineers and the municipalities examined for approval in this Division:

| Description | Estimate |
|--|--------------------|
| 1. Aguadilla—Street improvement | \$61,767.00 |
| 2. Caguas—Reconstruction and paving of streets | 120, 000. 00 |
| 3. Guayanilla—Municipal road to "Boca" Ward | 13, 000. 00 |
| 4. Ponce—Street paving and construction of storm sewers | 53, 397. 60 |
| 5. Río Piedras-Widening and paving of Arsuaga, Brumbaugh | |
| and Georgetti Streets | 36, 300. 00 |
| 6. San Juan-Waterworks facilities-Contract No. 1-Furnish- | |
| ing concrete pressure pipe | 1, 037, 343. 25 |
| 7. San Juan-Waterworks facilities-Contract No. 2-Distribu- | |
| tion reservoir | 252, 615.00 |
| 8. San Juan-Sanitary and storm sewers in Loíza Street, San- | |
| turce | 70, 000. 00 |
| 9. San Juan-Waterworks facilities-Contract No. 4-Laying of | |
| pipe "A" | 154, 110. 00 |
| 10. Toa Baja-Street paving and construction of wall and gutter | |
| at "Palo Seco" Ward | 10, 597. 94 |
| 11. Toa Baja-Street paving and construction of curbs and side- | |
| walks | 13, 654. 21 |
| 11 Projects with estimates amouting to | \$1,822,785.00 |

CONSTRUCTION WORKS CONTRACTS AWARDED IN PRECEDING YEARS AND COMPLETED DURING THIS YEAR

| No. | Description | Contract Price | Paid this Year | Total Cost |
|-----|---|-------------------|-------------------|----------------|
| 1 | San Juan—Construction and installation of a sawage treatment plant south of Santurce | \$164, 864. 00 | \$4, 337. 19 | \$171, 157. 96 |
| 2 | San Juan—Installation of pump driven by electric motor in Guaynabo, for the water Supply system | 39, 606. 25 | 6, 205. 00 | 44, 485. 25 |
| 2 | CONTRACTS WITH TOTALS OF | \$204, 470. 25 | \$10, 542. 19 | 215, 643. 21 |

CONTRACTS AWARDED IN PRECEDING YEARS AND CONTINUED DURING THIS YEAR

| No. | Description | Estimate | Contract Price | Paid This Year |
|-----|---|--------------|-------------------|-------------------|
| 1 | Carolina—Construction of two deep wells for the water supply system | \$7, 500. 00 | \$8,000.00 | |
| 2 | Las Marías—New water supply system | 8, 500. 00 | 8, 300. 00 | |
| 3 | San Juan—Construction of a new electric lighting system for the "Barceló" Public Square at the Workmen's Settlement (Barrio Obrero) Santurce. | 3, 000. 00 | 2, 948. 28 | |
| 3 | CONTRACTS WITH TOTALS OF | \$19,000.00 | \$19, 248. 28 | |

CONTRACTS AWARDED DURING THIS YEAR AND UNDER WAY AT THE END OF THE YEAR

| No. | Description | Estimate | Contract Price | Paid This Year |
|-----|---|-------------------|-------------------|-------------------|
| 1 | Aguadilla—Street improvement | \$26, 100. 00 | \$23, 660. 00 | |
| 2 | Cabo Rojo—Construction of deep wells for the water supply of "Corozo" Ward | 2, 500. 00 | 3, 800. 00 | |
| 3 | Dorado—Construction of deep wells for the water supply of "Maguayo" Ward | 2, 500. 00 | 4, 500. 00 | |
| 4 | San Juan—Waterworks facilities— Contract No. 1—Furnishing concrete pressure pipe | 982, 243. 00 | 888, 921. 00 | |
| 5 | San Juan—Waterworks facilities— Contract No. 2—Construction of dist- ribution reservoir | 252, 615. 00 | 188, 025. 00 | |
| 5 | Contracts with Totals of | \$1, 265, 958. 00 | \$1, 108, 906. 00 | |

The following works were performed by force account:

| ~* | | nded this year |
|-----|---|----------------|
| 1. | Cabo Rojo—Water supply system (minor items) | \$190.97 |
| 2. | Hatillo-Construction of deep wells for water supply of "Pa- | |
| | juil'' Ward | 1,063.14 |
| .3. | Jayuya-Retaining wall along the margin of "Río Grande" | · |
| | River | 8, 983. 42 |
| 4. | Moca—Water supply system | 18, 513. 47 |
| 5. | Ponce—Improvement of water supply system at Industrial School | |
| | for Girls "Ana Roqué Duprey" | 8,000.00 |
| 6. | Río Piedras—Reconstruction of sewer at Insane Asylum | 1, 229. 59 |
| 7. | San Juan-Laying of 4" pipe line for the water supply of the | , |
| | Capitol Building | 3,346.12 |
| 8. | San Germán-Water supply system for "Rosario" Ward | 1, 843. 75 |
| 9. | Villalba—Water supply system | 997.07 |
| 10. | Yabucoa—Water supply for "Limón" Ward | 997.50 |
| | Total expended in works by force account | \$45, 165. 03 |

ADMINISTRATIVE WORK

- (a) Handling of 265 disbursement vouchers and supporting documents amounting to \$29,242.81.
- (b) Reports on 203 municipal ordinances.

BUREAU OF PUBLIC LANDS, ARCHIVES AND AERIAL MAP

The Bureau of Public Lands and Archives is in charge of the survey, control and leasing of lands belonging to The People of Puerto Rico, which originally belonged to the Crown of Spain and were ceded by the Government of the United States to the Insular Government to be administered for the benefit of The People of Puerto Rico and also of those properties acquired through adjudications for non-payment of taxes.

It has charge also of the old Spanish archives relating to lands, waters, forests, mines, harbors, concessions, public works and improvements.

This Division has under its care two hundred twenty-five properties located in various municipalities of the Island which have been acquired for non-payment of taxes.

Fifteen farms belonging to the Insular Government were leased to private parties during this fiscal year; the annual rental derived therefrom amounted to \$926.42.

In this fiscal year 576 infractions to the slum prevention act were reported of which 516 cases were friendly settled after the infractors removed their houses from the public lands and 58 cases were brought up before the municipal courts of which nine of them were dismissed.

The following tracts of land were surveyed and plotted on the ground:

Tract of land acquired for the Department of the Interior of Puerto Rico at Santurce.

The old railway track zone from Río Piedras to Caguas which was acquired from the Puerto Rico Railway, Light and Power Co.

The parcel of land that comprises the municipal district of the town of Luquillo and adjacent farms with a total area of 559.26 cuerdas.

Three tracts of land to be ceded by the People of Puerto Rico to the municipal government of Río Piedras.

A tract of land acquired from the White Star Bus Line.

A tract of land acquired for the Juvenile Home for Delinquent Minors at Río Piedras.

A tract of land acquired at Río Piedras for a stone quarry.

Topographical maps were prepared of the following lands:

Lot occupied by the Departments of Health and Agriculture of Puerto Rico at Santurce. Municipal square and surrounding streets at Mayagüez.

Part of the Buena Vista Laborers Settlement at Río Piedras.

The maritime zone was surveyed and its limits were plotted on the ground adjoining the following farms:

Farm "Isidora" property of Godreau estate in ward Arenales of Salinas.

Farm property of Clemente Rodríguez Carlo and Quiñones estate at Guánica.

Farm property of Angel Villamil at Santurce and Marcos T. Caneja at Guaynabo.

The maritime zone adjacent to the insular road Ponce–Guayama and between Km. 167 and 169 of said road was surveyed.

The zone to be occupied by the widening of Loíza Street at Santuree was plotted on the ground.

FOR NATIONAL DEFENSE PURPOSES

A tract of land of 305 cuerdas was surveyed at the municipality of Fajardo for the establishment of a civilian airport.

A tract of land of 15 cuerdas in ward Monacillos of Río Piedras was surveyed to be used as a military cemetery.

Ten plots were rented to the United States of America at Puerta de Tierra and Santurce for an annual rental of \$1.00 each, to be used for naval and military purposes.

MISCELANEOUS

Forty-one deeds were prepared for the acquisition and conveyance of lands of the People of Puerto Rico.

This Division informed 1344 cases in regard to private parties and 255 applications for dominion or possession titles filed in the District and Municipal Courts of the Island, which were forwarded by the Attorney General to this office for information and study.

Fees collected for certified copies of public documents of these archives issued by this Division to private parties amounted to \$14.45.

Computations and preparations of plans and description by metes and bounds of a farm of 101 cuerdas bought by the Department of Agriculture of Puerto Rico for forest service purposes at San Germán.

Pursuant to an act of the Legislature of Puerto Rico entitled "An Act to authorize the Commissioner of the Interior to sell to poor families the mangroves in the southern portion of the town of Cataño" approved in the year 1925, ten titles of conveyance of lots have been expedited to persons that have reclaimed and improved them.

10

LANDS GRANTED AND LEASED FOR THE NOMINAL RENT OF ONE DOLLAR PER YEAR BY THE PEOPLE OF PUERTO RICO TO THE GOVERNMENT OF THE UNITED STATES OF AMERICA IN ORDER TO COOPERATE WITH THE WAR EFFORT

2, 610.00 10, 800.00 272, 261. 20 1,651,155.60 11, 866, 836.30 489, 174, 00 1, 130.10 99, 856, 50 \$14,444,001.80 \$50,000 158. Valuation Oct. 14 & Nov. 20/40. 1941 July 3, 1940..... December 18, 1941. November 29, 1940. November 7, 1939. Date of Deed March 16, 1939. September 25, March 6, 1941. May 27, 1940. Friendly condemnation proce-Act Authorizing the Cession 32-April 19, 1939... 36-April 14, 1940. 67-April 25, 1940. 66-April 25, 1940. 133-May 10, 1938. 87-April 29, 1940. 66-April 25, 1940. 168-May 13, 1941 Isla (trande, San Juan and Santurce..... Location Municipality Pta. de Tierra, San Juan... Pta de Tierra, San Juan. Around Bay of San Juan. Marina, San Juan. Monito Island... Desecheo Island. Culebra Island. Maricao... Cataño. 87.00 cds..... 110, 077.04 sq. mts... 293.24 acres.... Area 18, 152.08 sq. mts. 1, 630.58 acres.... 276.436 eds..... 1.645 acres. acres. 3.767 acres TOTAL. 5.27

About twenty parcels of land, at different localities of the Island, were leased on the nominal rental of one dollar per year

STATEMENT SHOWING LANDS BELONGING TO THE PEOPLE OF PUERTO RICO LEASED BY THE COMMISSIONER OF THE INTERIOR WITH THE APPROVAL OF THE EXECUTIVE COUNCIL, DURING THE FISCAL YEAR 1942-1943

| Lessee | Municipality | Area | Rent |
|---|--------------|-----------------|---------|
| Gobierno de la Capital. Ana R. Vda Arroyo. Miguel Santiago. Miguel Santiago. Miguel Santiago. Miguel Santiago. Miguel Santiago. Eleardo Olivero. Elisa Romero. Arturo Rivera. Josefina Cuevas. Gilberto Jiménez. | San Juan | 336.00 sq. mts. | \$1. 00 |
| | Mayagüez | 128.00 sq. mts. | 10. 44 |
| | San Juan | 603.67 sq. mts. | 96. 86 |
| | San Juan | 296.00 sq. mts. | 47. 20 |
| | San Juan | 228.88 sq. mts. | 27. 20 |
| | San Juan | 226.20 sq. mts. | 72. 38 |
| | San Juan | 148.46 sq. mts. | 35. 63 |
| | Mayagüez | 600.00 sq. mts. | 72. 00 |
| | Mayagüez | 108.37 sq. mts. | 6. 40 |
| | Mayagüez | 145.49 sq. mts. | 28. 80 |
| Gilberto Jiménez Maria Luisa Cedó Eusebio Alvira Bernardo Pabón Bernabé Díaz. Total. | Mayagüez. | 186.05 sq. mts. | 14.88 |
| | Mayagüez. | 330.00 sq. mts. | 26.40 |
| | Rio Piedras. | 130.96 sq. mts. | 73.33 |
| | Cabo Rojo. | 150.00 sq. mts. | 12.00 |
| | Guayama | 00.50 cuerdas. | 2.00 |

AFRIAL TOPOGRAPHIC SECTION

During this Fiscal Year 1942-43, the Aerial Topographic Map Office has worked in cooperation with the U. S. Geological Survey doing field and office work.

This Office has also cooperated with Federal and Insular Government Agencies by furnishing aerial pictures, topographic maps, photographic mosaics, and with all the control data that we have available. This cooperation, however, has been given in compliance with the restrictions issued by the War Department.

FIELD WORK

| Field Completion Surv |
|-----------------------|
|-----------------------|

These have been carried out on twenty five different quadrangles, of which seventeen have been completed.

Topography:

974.4 square miles on 25 quadrangles \$29,794.13

OFFICE WORK

Sale of serial photographs, mosaics, etc.______\$187.58

FINANCIAL STATEMENT

| Sales | |
|---|----------------------|
| TotalExpenses in material and equipment | |
| Balance on June 30, 1943 | \$ 383.57 |

£8

AUTOMOBILE AND TRAFFIC BUREAU

The Automobile and Traffic Bureau operates under the provisions of Act No. 55, approved April 27, 1942, as subsequently amended by Act No. 119 of May 12, 1943. The amendment, however, will not take effect until August 12, 1943. The above-mentioned Act No. 55 repeals all the automobile laws previously enacted.

The purpose of the law is to regulate the use of motor vehicles in Puerto Rico, and to regulate traffic on highways. The Bureau is entrusted with the issuance of licenses to motor vehicles and to drivers and chauffeurs thereof, and to carry out all other work in connection with said activities.

Income:

In accordance with Act No. 143 of May 15, 1937, as subsequently amended, the revenues collected from the fees for vehicle and driver licenses are credited to the trust fund known as the "Special Fund for the Survey, Construction and Maintenance of Highways, Roads, and Bridges". During the fiscal year 1942–43 the amount of \$889,168,48 was collected.

The following table shows the sources of income:

DISTRIBUTION OF REVENUES

| Source of Income | Number | Amount |
|---|--|--|
| Automobile Licenses and Number Plates Dealer Licenses Duplicate Ownership Licenses Duplicate Number Plates Automobile Transfers Applications for Drivers Examination Applications for Drivers Re-examination Chauffeur and Operator Licenses Duplicate Driver Licenses Licenses for Non-resident Operators Learner Permits Private cars converted into Public Carriers Total Income During the Year 1942-43 Total Income During the Year 1941-42 Decrease | 6, 084 2, 441 1, 718 2, 816 940 147 4, 444 1, 801 | \$821, 598. 61 900. 00 190. 00 840. 00 6, 084. 00 1, 718. 00 10, 374. 00 940. 00 7, 566. 00 26, 501. 87 \$889, 168. 48 960, 265. 81 |

Car Registration:

The total number of vehicles registered during the fiscal year totaled 28,155 as compared with 32,195 during the previous year, showing a decrease of 4,040 vehicles.

The following table shows the number of licenses for motor vehicles issued under the various denominations:

| Private passenger cars | 13,702 |
|-------------------------------|---------|
| Public passenger cars | 2,809 |
| Insured public passenger cars | 2, 762 |
| Commercial Motor Vehicles | 3,097 |
| Heavy Motor Vehicles | 3, 597 |
| Heavy Public Motor Vehicles | 1,596 |
| Motorcycles | 218 |
| New car registrations | 374 |
| | |
| Total | 28, 155 |

It is noticeable that only 374 new cars, including, commercial vehicles, were registered as compared with 3,833 registered during the preceding fiscal year. The large decrease of 3,459 is easily explained by the fact that no new cars have been manufactured since December 1942 and to the freezing order of the Federal Government which requires priorities for purchase of new cars.

During the fiscal year the Commissioner of the Interior with the cooperation of the Insular Police cancelled licenses and confiscated number plates of motor vehicle having private service licenses but engaged in the transportation business. As a result 1,801 cars were compelled to secure public service licenses.

Driver Licenses:

During the present fiscal year 4,159 applications for driver examinations were filed. Of those examined 1,519 failed and 2,449 passed. During the year, 4,230 driver licenses were issued to chauffeurs, operators, and heavy motor vehicles operators. There were issued 4,444 learner permits. In the previous year, there were issued 6,389 driver licenses and 17,277 learner permits, showing a decrease of 2,154 and 12,833 respectively.

MISCELLANEOUS ACTIVITIES:

Frequently, applications are made for certificates as to motor vehicle ownership, or chauffeurs' personal records for presentation before a Court of Justice, the Public Service Commission or other Governmental Agency.

A fee of \$1.50 is charged in Internal Revenue Stamps for each certificate, of which 640 were issued, producing an income of \$960.00. For the registration of each conditional sale contract a charge of 50ϕ in Internal Revenue Stamps is made. The amount of \$170.50 was collected for 341 registrations.

The amount collected from these fees is credited to the general funds of the Insular Treasury.

Statistics:

Before the fiscal year 1937–38, the funds collected from the fees for automobile licenses and driver examinations were deposited in the general funds of the Insular Government. Starting that year, the law provides that the money so collected, as well as that from the gasoline tax, shall be deposited in the Special Fund for the Survey, Construction and Maintenance of Roads, Highways and Bridges.

The following table shows the average fees and taxes collected for each motor vehicle as well as the average annual consumption of gasoline.

| Fiscal Year | Average Fees Per Passenger Car | Average Fees Per Commercial Vehicle | Average Annual Gasoline Consumption Per Motor Vehicle | Average Gasoline Tax Per Motor Vehicle |
|--|---|--|--|--|
| | (Dollars) | (Dollars) | (Gallons) | (Dollars) |
| 1937-38 1938-39 1939-40 1940-41 1941-42 1942-43 | 25 25 22 23 22 29 | 42 39 37 32 38 38 | 1, 359 1, 242 1, 314 1, 071 1, 200 1, 414 | 95 87 92 75 84 99 |

The above table shows a decreasing trend in all values up to the year 1940-41, and an increasing trend thereafter.

The year 1940-41 marks the minimum average annual consumption of gasoline per vehicle. This may be attributed to the fact that the gasoline reserves in the Island had been reduced by the effect of the war on the shipments of gasoline to the petroleum companies operating in the Island. Furthermore, the Island became a distribution center in the Caribbean and a great proportion of the incoming gasoline was exported, the amount remaining for public consumption being considerably reduced.

The year 1942-43 shows an average annual consumption of gasoline per vehicle higher than in preceding years when no rationing existed. This apparent anomaly is probably due to the fact that private touring care have decreased in number while the proportion of trucks, busses, and other heavy vehicles have increased. It is

known that the average gasoline consumption of the heavy vehicles is much higher than that of touring cars and, therefore, the weighted average has been affected as shown.

Insurance of Public Automobiles:

Act No. 33 of April 14, 1941 provided, for the first time in the history of this Bureau, for the insurance of the public automobiles considered as the working tools of their owners.

The total fee for these automobiles is \$30.00, of which \$1.00 shall be considered as the payment for the license and the remaining \$29.00 as a premium on an insurance policy covering accidents caused to passengers traveling thereon and to third persons.

During the first year of the establishment of this insurance, 2,044 public automobiles were insured. During the fiscal year 1942–43, a total of 3,100 public cars were insured. The risks covered by the policy have been increased gradually by the Insurance Company due to the relatively small number of accidents and to the efforts of the Commissioner of the Interior and the Supply Committee of the Insular Bureau of Supplies.

During the year 1941–42, the public liability risks assumed were \$2,000.00 for one person in one accident and \$4,000.00 for the limit of 10 persons in one accident. The risks to be covered in the following fiscal year of 1943–44 will cover \$5,000.00 for one person in one accident and \$10,000 for the limit of 10 persons in one accident. The total premium paid by the Treasurer of Puerto Rico to the United States Casualty Company, for the general policy, amounted to \$82,252.00 for the fiscal year 1942–43.

Only 140 accidents of the public insured automobiles were reported and, correspondingly, the same number of claims for compensation were filed with the Surety Company.

Act No. 55 of 1942 establishes that, in order to have the benefits of the insurance, the owner must drive his own car. However, the same law provides that the Municipal Judges and the Justice of the Peace, may issue temporary permits to other authorized persons to drive these vehicles in case of illness of their owners and the Commissioner of the Interior is empowered to grant an extension to such permits upon written request of the owner.

Distribution of Vehicle Licenses:

By reason of the experience in the distribution of vehicle licenses at the end of the fiscal years in the past, a new system was developed to improve the service to the public and to expedite the work. In establishing the new system; unforseen conditions prevented it from working as smoothly as it had been conceived. It was found that the office for the rationing of gasoline suspended the allowance to all public carriers that had not obtained their licenses for the new fiscal year. The number of people affected by this rule was considerable and they agglomerated at the main office of the Department of the Interior demanding that their cases be solved expeditely. Additional measures were taken to satisfy the public and the problem was solved satisfactorily. The new system proved to have certain advantages over the old one and is subject to some improvements which will be applied on the next occasion. It is fitting to acknowledge the effective cooperation that the entire personnel of the Department of the Interior offered this Bureau in the distribution of the licenses.

BUREAU OF MINES

Appropriation:

The funds appropriated for the Bureau of Mines in the General Budget for the fiscal year just ended, were \$45,000. Of this amount, \$15,700 were spent for salaries and \$29,300 for field work, investigations, and general expenses.

Work Done by the Bureau:

The work of the Bureau has been carried on in the following fields during the past year:

- 1. Educational Activities
- 2. Visits of Inspection
- 3. Mining Development and Exploration Work
- 4. Metallurgical and Chemical Laboratories
- 5. Work on Ceramic Products
- 6. Mining Holdings
- 7. Surveying and Mapping
- 8. Mining Law
- 9. Salvaging of Used Metals
- 10. Coordination Program

Educational Activities:

Our school program has been going on uninterruptedly during the year and numerous mineral and rock collections were distributed among the teachers and students.

The mineral exhibition has been almost completed and contains over 70 specimens of rocks and minerals, over 30 specimens of fossils, and nearly 30 pieces of ceramic artistic objects.

Dissemination of knowledge and information to outside quarters was also intensified.

Visits of Inspection:

The Mining Engineer visited numerous places, both for inspection of work and for obtaining samples. A set of samples was obtained early in the year for the continental concern Messrs. North and Meissner, upon request of the Governor of Puerto Rico and in relation to sands and other substances to be used in the manufacture of glassware. Samples of dolomitic limestone were also obtained with the object in view of supplying magnesium as an important ingredient in the glass batch.

An inspection of the gypsum prospect near Ponce was done in mid-February, but with discouraging results. The purpose was to supply gypsum to the Ponce Cement Corporation.

By far the greatest part of the time dedicated to this activity was used on the manganese development project at Adjuntas.

Late in the year Mr. John Van Nostrand Dorr, of the Geological Survey, Washington, D. C., made a reconnaissance of the manganese deposits of the Island. Inasmuch as his findings coincide substantially with our Mining Engineer's report, we shall limit our comment to Mr. Dorr's conclusion.

According to his report, which is however confidential in its details, the manganese situation promises very little for the present, although it is a potential source of some labor absorption in any local relief project.

Mine Development Work:

Development work was confined to the Adjuntas manganese prospect.

The technical report on the findings is available in our files.

The administrative facts follows:

An amount of \$6,935.88 was spent for salaries; an amount of \$2,200 was spent for equipment.

In view of the unfavorable report from Mr. Dorr, it is recommended herein that no mineral concessions on manganese be granted until the situation is better clarified, especially in relation to the Mining Law and Regulations in force.

Laboratories:

The number of inquiries and requests for identification, classification, examination and analyses of rocks and minerals, was somewhat larger than on previous years.

During the year only one petition for the registration of a mining holding was brought before the Bureau. The petitioner was Mr. Luis Sugrañes, Caguas, Puerto Rico. The mining holding was located on lands of Sucesión Gatti, Bo. Garzas, Adjuntas, Puerto Rico.

Collection of Used Metals for the War Effort:

One of the most important contributions to the war effort done by the Department of the Interior during the last year was the participation of the Bureau of Mines in directing the drive for the colection of scrap metals. The tangible result of our effort was the shipment to the States of 6,000 tons of scrap steel. The Bureau had in this activity the valuable cooperation of the W.P.A., which spent \$16,000 for the transportation of the material; the Department of Education, which supervised the drive on the rural areas; the American Legion; the Insular Council of Boy Scouts; the Office of Civilian Defense; the Department of Justice; and outside private business represented by Mr. C. J. Schaer, Manager of the Chase National Bank.

Coordination Program:

The Acting Director of the Bureau of Mines in his capacity of Coordinator of Mines for Puerto Rico, has certified to the War Production Board a total of 12 mining enterprises, including sand and gravel operations, limestone and other quarries, salt work operations and prospecting enterprises. A serial number has been obtained for each certified firm. This serial number entitles operators to the highest priority rating obtainable on the Island.

The work along this line has not been as satisfactory as might be expected, chiefly on account of the fact that quarries and sand and gravel operations are still outside of the Bureau's jurisdiction. It is emphatically recommended that such operations be placed by law under the Bureau of Mines' jurisdiction.

STATISTICS AND OTHER SERVICES

On request of the Governor of Puerto Rico, the office made a detailed study of the regulations for the control of explosives and their ingredients in time of war or national emergency, under Act No. 381, 77th Congress, Dec. 26th, 1922. As a result of our recommendations the Federal Bureau of Mines appointed all District Judges of Puerto Rico as authorized agents for the issuance of licenses. Other phases of the regulations are administered thru this office.

For the use of the Federal Bureau of Mines, statistics, both confidential and public were gathered during the fiscal year on the production of stones and sands.

THE BUREAU OF DOCKS AND HARBORS REPORT FOR THE FISCAL YEAR ENDING JUNE 30TH 1943

Collections in all ports of the island of Puerto Rico amounted to \$95,740.75 of which \$59,000.36 were collected at San Juan Harbor.

Compared with last year's collections the amount of \$95,740.75 is \$12,995.40 less. Nevertheless, San Juan Harbor produced \$908.76 more than last year, which shows that reduced activities severely affected collections in other island ports.

Tonnage and Vessels:

A total of 541 vessels (369 steamers, 172 sails) with a gross tonnage of 1,530,947 tons entered the port of San Juan. This shows a decline of 1,046,236 gross tons (128 vessels of all types) as compared to last year's entries.

This year 1,090 vessels with a tonnage of 3,024,415 tons arrived at the different ports of the island as compared to 1,758 with a tonnage of 6,820,705 for last year.

While fifty six per cent less tonnage was registered revenues paid for docking is only nine per cent less than the previous year.

Reasons for this difference are:

- (1) Charges are based on mooring days and not on unloading or loading operation periods.
- (2) The New York and Puerto Rico Steamship Company paid harbor dues for the first time in fourteen years on ships docking at San Antonio Dock, Puerta de Tierra. A legal claim of \$95,814.96 covering the fourteen year's dues is under consideration.
- (3) The United States War Shipping Administration at Washington was notified that United States Navy and Army Transports on loading or unloading operation duties for private concerns taking sugar or any other merchandise to or from the Mainland was liable to pay docking charges to our government. Our opinion was sustained by the War Shipping Administration at Washington and orders were passed to all of their agents in the island of Puerto Rico to pay such harbor fees.

Franchise Taxes:

Franchise taxes collected from the different companies dealing in fuels were badly reduced and only \$2,797.02 on 297,702 tons of gasoline, kerosine, diesel and fuel oil were collected.

Pilots and Ships:

One of the duties of our organization is to move safely in and out all vessels arriving at the ports of the island. Ten pilots supervised by ten Captains of the Ports handle this important work. Out of 3,024,415 tons of shipping moved our pilots handled 2,875,390 tons, there occurring only one accident, at the Guayanilla Harbor, where the heavy steamer "Jane Long" was grounded while leaving the port heavily loaded with sugar.

| | Total | | 7, 827, 62 6, 766, 74 7, 731, 12 8, 815, 16 8, 156, 40 10, 660, 56 | 8, 566.13 4, 843.68 5, 847.62 6, 208.35 6, 894.26 13, 424.11 | 95, 740. 75 |
|--|--------------------|--|---|---|-------------|
| | Fajardo | The same of the sa | 811. 53 332. 35 353. 61 1, 313. 91 434. 90 1, 298. 36 | 785.89 337.30 601.48 5.00 590.36 | 7, 709.59 |
| OLLECTIONS AT THE SEVERAL PORTS OF THE ISLAND DURING THE FISCAL YEAR 1942-43 | Humacao | | 222.50 | 217.50 | 451.50 |
| ISCAL YE | Arroyo | | 138.08 409.00 225.28 506.88 7×8.50 | 281.60 271.52 252.77 202.60 232.19 777.17 | 4, 085.59 |
| NG THE F | Guánica Guayanilla | | 284, 52 53, 99 567, 66 304, 78 220, 25 | 203.16 203.55 319.99 53.47 143.16 209.73 | 2, 264. 26 |
| AND DURI | Guánica | | 553 61 281 60 563 20 525 56 823 61 | 195.34 55.08 209.76 144.24 395.19 794.03 | 4, 541. 22 |
| THE ISL | Aguadilla | | 20.02 | | .75 |
| PORTS OF | Arecibo | | 17.50 | | 17.50 |
| SEVERAL | Mayagüez | | 1, 049.51 510.06 668.92 335.47 823.82 882.85 886.41 | 696.17 560.39 676.40 379.32 409.92 1,449.68 | 8, 745.88 |
| AT THE | Ponce | | 786.17 947.36 373.89 482.92 758.49 1,421.39 | 577. 63 199.33 202. 63 372. 23 1, 169. 25 1, 932. 81 | 9, 224. 10 |
| LECTIONS | San Juan | | 4, 517.81 4, 369.37 5, 641.10 5, 626.47 4, 795.91 5, 221.79 | 5, 608.84 3, 216.51 3, 584.59 5, 014.99 3, 954.19 7, 415.79 | 59, 000.36 |
| 100 | Month | 1942 | July. August. September October. November December. | January February March April May June | Total |

NUMBER AND TONNAGE OF THE VESSELS ARRIVED AT THE SEVERAL PORTS OF THE ISLAND, DURING THE FISCAL YEAR ENDING

Gross Tonnage Aguadilla 3 Gross Arecibo Num-ber 200, 130 57, 300 8, 238 265, 764 Gross Tonnage Mayagüez 215 Num-ber 86 297, 089 1, 608 58, 769 1, 163 358, 629 Gross Tonnage Ponce 118 JUNE 30, 1943 Num-ber 22 19 1, 281, 340 2, 948 233, 809 12, 850 1, 630, 947 Gross Tonnage San Juan 541 Num-ber 249 120 American: Steamers. Sailing Vessels. Steamers..... Total. FOREIGN:

| | Gu | Guánica | Gua | Guayanilla | A | Arroyo | Ħ | Humacao | Fa | Fajardo |
|---|-------------|----------|-------------|------------|-------------|-----------|-------------|---------|-------------|----------|
| | Num- ber | Gross | Num- ber | Gross | Num- ber | Gross | Num- ber | Gross | Num- ber | Gross |
| | | | | | | | | | | |
| AMERICAN: Steamers Stailing Vessels | 25 | 109, 225 | 355 | 163, 194 | 35 | 120, 962. | | | 31 | 167, 727 |
| REIGN: Steamer Salime Vessels | 10 | 8,016 | | 148 | 9 | 12, 253 | | | 1 | 13, 716 |
| | 37 | 117, 352 | 108 | 164,650 | 41 | 133, 215 | | | 34 | 181, 591 |
| | | | | | | | | | | |

SAN JUAN HARBOR BOARD ANNUAL REPORT 1942-43

The San Juan Harbor Board was created by the Legislature of 1912 to supervise the construction of extensive improvements in San Juan Harbor and also the operation and maintenance of the same. The Commissioner of the Interior who is the chairman of the board and the City Manager are ex-officio members. Three other members are appointed by the Governor with the advice and consent of the Senate.

The San Juan Harbor Board manages and operates the bulkhead wharves between Piers 1, 2, 3 and 5, and also Piers 6, 12 and 13. All revenues derived from said piers and wharves are deposited in the "Wharf and Harbor Fund" to meet the expenses for operation and maintenance thereof and for such other harbor improvements as may be necessary.

The board held five regular and one special meeting during the year for the transaction of necessary business.

The following statement shows the receipts and disbursements made during the year just ended:

81

WHARF AND HARBOR FUND, TRUST FUND

| William IIII IIII IIII IIII IIII IIII | | | |
|---|---|---|------------------|
| BALANCE AS OF JUNE 30, 1942 | | | \$175, 414. 46 |
| Receipts from Pier No. 6: Wharfage. Storage. | \$35, 442. 07 7, 615. 41 | | |
| Demurrage Mooring Water | 1, 146. 10 7, 621. 45 2, 576. 50 | 54, 401. 53 | |
| RECEIPTS FROM PIER NO. 12 AND 13: Wharfage Storage Demurrage Mooring Water | \$46, 271, 19 5, 81, 71 227, 44 7, 670, 07 1, 604, 80 | 61, 055. 21 | |
| OTHER INCOME: | | | |
| Lease of various properties. Dragline and shovel rent. Dragline and shovel rent, Auditor's Receipt No. 2365. Dragline and shovel rent, | \$1,510.00 | \$4, 507. 87 2, 325. 00 | |
| Dragine and shovel rent, Auditor's Receipt No. 2365. Dragine and shovel rent, Auditor's Receipt No. 5158. Auditor's Receipt No. 6395. Auditor's Receipt No. 207. Auditor's Receipt No. 821. Auditor's Receipt No. 62. | 500. 00 281. 14 30. 90 69. 90 130. 00 | | 2, 941. 9 |
| Truck service | | 400.00 | —, 0,2-11 |
| Fire pumper service. Light service Miscellaneous. For repairing damages | | 923. 87 115. 97 393.01 159. 33 | 124, 281. 7 |
| Repayment by private piers | | | 2, 005. 0 |
| Balance by the Special Disbursing Officer | | | 670. 1 250. 0 |
| Total | | | \$305, 563. 3 |
| DISBURSEMENTS: Engineering Division: Salaries Wages Materials Office supplies and Miscellaneous Unexpendable property | \$14, 804. 94 719. 24 381. 42 580. 00 19, 645. 06 | 36, 130. 66 | |
| Piers 6, 12 and 13: Salaries Per diem, members of the board Office supplies | | | |
| Water for service | 498. 07 78. 58 | | |
| Laborer wages, 9 watchmen and 1 chauffeur included Truck expenses. Fire insurance premium. Hurricane insurance premium. State Fund Insurance Premium. | 2, 387. 95 581. 75 | | |
| Fire equipment service. Unexpendable property. General expenses (In this item are included the telephone, lighting and other bills). | 204. 14 | | |
| Maintenance and Repairs: General repairs. Street repairs. | 1, 644. 23 | | |
| Other Disbursements: Private piers insular police salaries | 2, 005. 08 412. 32 | 46, 451. 77 | |
| Balances: Unexpended balance by the Special Disbursing Officer. Unexpended balance by the Special Disbursing Officer | | 670. 11 | |
| (Petty Cash) | | 250. 00 | |
| Total | i | | |
| BALANCE ON HAND JUNE 30, 1943 | | | \$222, 060. 8 |

SAN JUAN HARBOR FUND, TRUST FUND

| BALANCE OF JUNE 30, 1942 | \$187, 443. 15 |
|---|----------------|
| Harbor dues collected by the Captain of the Port | 58, 999. 45 |
| | \$246, 442. 60 |
| Amount returned to Porto Rico Coal Company | 10.00 |
| Balance on Hand June 30, 1943. | \$246, 432. 60 |
| Construction of Harbor Improvements at San Juan | |
| Balance of June 30, 1942. \$37.20 Balance of June 30, 1943. | \$37. 20 |
| CONSTRUCTION OF HARBOR IMPROVEMENTS BONDS OF 1929 | |
| BALANCE OF JUNE 30, 1942. \$88.58 BALANCE OF JUNE 30, 1943. | \$88. 58 |
| Connection Tract Fund | |
| BALANCE OF JUNE 30, 1942. \$19.99 BALANCE OF JUNE 30, 1943. | \$19. 99 |

EXHIBIT NO. 1

COMPARATIVE STATEMENT SHOWING AMOUNTS COLLECTED DURING
THE FOLLOWING FISCAL YEARS

| Charges | 1936–1937 | 1937-1938 | 1938-1939 | 1939-1940 | 1940-1941 | 1941-1942 | 1942-1943 |
|----------|---------------|--|--|--|--|--|---|
| Wharfage | | \$41, 494. 72 1, 863. 28 11, 152. 97 5, 060. 19 5, 066. 20 | \$53, 293. 31 2, 158. 27 12, 886. 00 3, 679. 73 5, 066. 21 | \$60, 620. 29 5, 151. 62 11, 495. 25 2, 759. 70 5, 066. 22 | \$92, 883. 59 5, 297. 57 14, 525. 23 3, 838. 70 5, 066. 20 | \$117, 605. 73 1, 847. 48 3. 48 15, 058. 55 4, 877. 20 5, 066. 21 . 30 | \$81, 713, 26 12, 897, 12 1, 373, 54 15, 291, 52 4, 181, 30 4, 507, 87 4, 317, 18 |
| Totals | \$65, 241. 30 | \$64, 637. 36 | \$77, 083. 52 | \$85, 093. 08 | \$121, 611. 29 | \$137, 458. 95 | \$124, 281. 79 |

EXHIBIT NO. 2

| COM | PARATIVI | COMPARATIVE STATEMENT SHOWING COLLECTIONS OF CHARGES DURING THE FISCAL YEARS 1941-1942 1942-1943 | ENT SHOW | VING COLI | LECTIONS | OF CHAR | GES DURI | NG THE | ISCAL YE. | ARS 1941-19 | 342 1942-1943 | |
|-------------------------------|--|--|---------------------------------------|--|--|---|--|--|--|--|--|--|
| | Whs | Wharfage | Demurrage & Storage | & Storage | Mooring | ring | Water | ter | Other & Lease | Lease | Totals | sls |
| Months | 1941–42 | 1942-43 | 1941–42 | 1942–43 | 1941–42 | 194243 | 1941–42 | 1942-43 | 1941–42 | 1942–43 | 1941–42 | 1942–43 |
| 1942 | | | | | | | | | | | | |
| July August September October | \$8, 451. 73 8, 472. 00 12, 016. 22 11, 044. 20 8, 531. 01 | \$7, 262. 01 6, 900. 09 8, 024. 06 4, 625. 49 | \$159.94 126.08 289.06 51.53 | \$365.15 1, 889.78 716.89 3, 170.37 | \$1, 216.72 1, 158.58 2, 119.20 1, 486.71 | \$909.33 1, 497.87 1, 848.82 1, 654.15 | \$467.70 410.10 687.90 319.80 | \$589.90 460.20 663.70 346.40 | \$983.11 310.00 310.00 310.00 | \$983.10 314.00 314.00 419.46 | \$11, 279.20 10, 476.76 15, 422.38 13, 212.24 | \$10, 109.49 11, 611.94 11, 567.47 10, 215.87 |
| December. | 197. | 24. | 71.91 | 1, 034. 07 | 1, 209. 10 | 1, 900. 16 | 373.50 | 315.20 | 310.00 | 538.29 | 62. | 12, 412. 70 |
| January February March* | 10, 935. 20 10, 843. 83 9, 200. 99 | 494. 555. | | 1, 236.64 | 1, 261.23 | 1, 176.77 802.27 1, 164.43 | 608.20 452.00 370.00 | 157.30 231.50 302.20 | 983.10 310.00 310.00 | 1, 039.10 496.13 3, 266.84 | 13, 891. 82 13, 051. 74 11, 118. 82 | 10, 486.17 8, 321.90 10, 684.37 |
| April. May. June. | 7, 487.33 7, 159.94 6, 265.37 | 3, 386.35 5, 893.80 10, 914.43 | 609.15 219.92 45.57 | 1, 318.06 1, 125.41 1, 594.36 | 1, 215.62 1, 159.73 696.59 | 552.51 994.12 1, 507.35 | | | 310.00 310.00 310.30 | 457.13 376.62 278.38 | | 6, 010. 45 8, 741. 25 14, 617. 82 |
| | \$110,605.73 | \$81, 713.26 | \$1,850.96 | \$14, 270.66 | \$15,058.55 | \$15, 291.52 | \$4,877.20 | \$4, 181.30 | \$5, 065.51 | \$8,825.05 | \$137, 458.95 | \$124, 281.79 |
| | | | | | | | | | | | | |

(*) In March are included \$142.70 for Wharfage charges and \$10.50 for storage charges paid directly to the Treasurer of Puerto Rico, as per Auditor's Receipt No. 4712.

STATEMENT SHOWING COLLECTION OF CHARGES DIFFING FISCAL YEAR 1942-1943 EXHIBIT NO. 3

| | Total | | \$10, 109, 49 | 11, 567. 47 | 10, 052. 36 12, 412. 70 | | 10, 486.17 | 8, 321.90 | 10, 684.37 | 6, 010. 45 | 8, 741.25 | 14, 617.82 | \$124, 281. 79 |
|--|-----------|------|---------------|-------------|--|------|------------|-----------|------------|------------|-----------|-------------|----------------|
| 4.0 | Other | | 4.00 | 109 46 | 32.00 228.29 | | 56.00 | 186.13 | 3, 140. 17 | 232.13 | 261.62 | 63.38 | 4, 317.18 |
| I DAN 1942-19 | Lease | | | | 310.00 | | 983.10 | 310.00 | 126.67 | 225.00 | 115,00 | 215.00 | 4, 507.87 |
| ALIVO FISOAL | Water | | | | 143.90 | - | 157.30 | | | | | 323,30 | 4, 181.30 |
| TARRES DO | Mooring | | 909.33 | 1,848.82 | 1, 283.74 | | 1, 176.77 | 802.27 | 1, 164, 43 | 552.51 | 994.12 | 1, 507.35 | 15, 291. 52 |
| ECTION OF C | Demurrage | | 45.24 | 24.61 | 239.37 | | 84.05 | 61.14 | 17.76 | 264.42 | - 09. | 1.32 | 1, 373.54 |
| WING COLL | Storage | | 319.91 | 692.28 | 592.83 889.35 | | 534.90 | 1, 175.50 | 351.02 | 1,053.64 | 1, 124.91 | 1, 593.04 | 12, 897. 12 |
| STATEMENT SHOWING COLLECTION OF CHARGES DORING FISCAL LEAR 1942-1945 | Wharfage | | \$7, 262.01 | 8, 024. 06 | 7, 450. 52 | | 7, 494, 05 | 5, 555.36 | 5, 582, 12 | 3, 386. 35 | 5, 893.80 | 10, 914. 43 | \$81, 713.26 |
| Alc | Date | 1942 | July | September | Note of the Control o | 1943 | January | February | | April | May | June | |

(*) In March are included \$142.70 for Wharfage charges nd \$10.50 for Storage charges paid directly to the Treasurer of Puerto Rico, as per Auditors' Receipt No. 4712.

STATEMENT SHOWING THE CARGO SHIPPED AND DISCHARGED THROUGH THE BULKHEADS AND SHEDS AND AMOUNT COLLECTED ON WHARFAGE TABLE No. 1 (From Exhibit No. 3)

| - | Total | Collected 1942–1943 | | \$7, 262. 01 | 6, 900. 09 | 8, 024. 06 | 4, 625, 49 | 7, 450. 52 | 8, 624. 98 | | 7, 494. 05 | 5, 555. 36 | 5, 582. 12 | 3, 386. 35 | 5, 893.80 | 10, 914. 43 | \$81, 713. 26 |
|-------------|---------------|---|------|----------------------------|-----------------------|----------------------|-----------------------|----------------------|--------------------------|------|-----------------------|------------------------|--------------------------|--------------------|-----------------------|---------------------|------------------------------|
| | Oil | Diesel Oil | | | | \$384.08 | 356. 42 | 3.99 | | | | 5. 26 | | 71. 62 | . 58 | | \$821.95 |
| | Fuel Oil | Gasoline & Diesel Oil Tons Collected | | | | 10, 993. 15 | 7, 278. 00 | 66. 50 | | | | 150.25 | | 593. 73 | 9.64 | | 19, 091. 27 |
| | | Collected | | \$898.49 | 1, 155. 65 | 327.04 | 41.91 | 277. 45 | 157.72 | | 55. 50 | 69.9 | 10.41 | 17. 47 | 431.10 | 144. 72 | \$3, 524. 15 |
| | Lumber | Superficial Feet | | 2, 567, 118 | 3, 301, 889 | 934, 407 | 119, 750 | 792, 649 | 258, 407 | | 88, 987 | 19, 114 | 22, 731 | 49, 909 | 1, 231, 693 | 413, 403 | 9, 800, 057 |
| ON WHARFAGE | | Collected Gen. Cargo | | \$3, 503. 51 2, 860. 01 | 2, 972. 39 2, 772. 05 | 3, 980. 21 | 2, 010. 65 2, 216. 51 | 3, 752.87 | 3, 044. 70 5, 422. 56 | | 4, 087. 14 3, 351. 41 | 2, 603.87 2, 939.54 | 2, 387. 96 3, 183. 75 | 2, 441. 17 856. 09 | 2, 587. 90 2, 874. 22 | 986.32 | \$34, 358. 69 43, 008. 47 |
| ON WE | Cargo | Meas. in Cubic Ft. | | 329, 608 | 367, 781 | 453, 221 | 258, 495 | 374, 613 | 609, 483 | | 424, 400 | 343, 633 | 357, 409 | 108, 829 | 346, 771 | 1, 132, 538 | 5, 106, 781 |
| | General Cargo | Weight in pounds | | 33, 244, 499 | 24, 731, 333 | 31, 562, 845 | 21, 506, 578 | 39, 802, 597 | 32, 035, 114 | | 42, 962, 688 | 24, 989, 767 | 24, 597, 263 | 24, 657, 338 | 28, 868, 334 | 10, 007, 196 | 338, 965, 552 |
| | | Packages | | 363, 337 | 357, 425 120, 939 | 364, 535 138, 533 | 181, 573 152, 131 | 329, 830 248, 585 | 250, 473 242, 676 | | 391, 752 117, 686 | 251, 441 160, 146 | 174, 737 | 209, 620 53, 563 | 209, 195 | 73, 024 450, 951 | 3, 156, 942 2, 158, 704 |
| | | Month | 1942 | July | August | September | October | November | December | 1943 | January | February | March | April | May | June | |

STATEMENT SHOWING MERCHANDISE STORED AT THE BULKHEADS AND SHEDS AND AMOUNT COLLECTED FOR STORAGE CHARGES FISCAL YEAR 1942-1943 TABLE No. 2 (From Exhibit No. 3)

FISCAL YEAR 1942-1943

| | | | | 41.7 | or o | T PEC TOTAL | 200 | | | | | | The same of the sa |
|--|----------|------------|---------|--------------------------|--|-------------|---------|------------|--------|-----------|------------|---------------------------|--|
| Merchandise | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | March | April | May | June | Totals |
| Alumina | \$28.34 | 59.34 | | : | : | 325. 62 | 107. 40 | | | | | 373.74 | 787. 04 107. 88 |
| Canned Goods. | | 195. 76 | 6. 39 | | 48. 9 | 108. 28 | 000 | | | | | | 310. 43 52. 89 |
| Cement Empty Bags | 2. 16 | | | 14. 25 | 43. 32 | 167.90 | . 10 | | | | 19.51 | 65.35 | 57. 75 254. 92 |
| Empty Bottles. | | | | 5.75 | 71.12 | | 107. 47 | 326.99 | 61.11 | 73. 70 | 985. 28 | 2.27 | 1, 455. 35 |
| Flour Furniture | 1.50 | 262. 67 | | 307. 51 | 138.83 | | | 3.75 | | . 74 | | 1.56 | 715.00 56.24 193.38 |
| Lard Lumber Oil and Grease | 4.09 | 8. 10 | 73. 20 | 1, 192. 48 | 6.04 | 25. 13 | 31.35 | 4.05 | 1.70 | 634. 65 | 57.18 | 48. 12 9. 65 16. 23 | 1, 410, 99 703, 10 |
| Paper Pipes and Fitgs. | | 40.80 | | 205.67 | 121 23 | | | | 15.67 | 13 53. 78 | 5, 18 | 14. 40 | 241.05 175.01 |
| Pork | 66 6 | 5.94 | 218 23 | 446. 42 | | | 113.40 | | | | | 3.35 | 569. 11 1, 092. 48 |
| Rope. | | 998 05 | 00.010 | 64. 47 | 17.68 | 48. 57 | | 149.00 | 17.52 | 2.09 | 60 . | 39.34 | 281. 74 524. 99 |
| 3 : : | 000 | 0 | | 3 : : | | 1.61 | 37.88 | 33. 18 | | 4.29 | 21.30 | 1, 99 | 45. 77 109. 74 73. 53 |
| Tobacco. Tallow Various. W. Bran. | 81.31 | 235. 22 | 266. 23 | 62.87 41.17 149.22 | 145.82 | 27. 45 | 94. 05 | 658.41 | 231.62 | 272. 62 | 36. 37 | 351. 69 | 423.90 2, 404.38 601.79 |
| | \$319.91 | 1, 811. 86 | 692. 28 | 2, 757.88 | 592. 83 | 889, 35 | 534.90 | 1, 175. 50 | 351,02 | 1,053.64 | 1, 124. 91 | 1, 593. 04 | 12, 897. 12 |

Table No. 3 (From Exhibit No. 3)

STATEMENT SHOWING THE KIND OF VESSEL THAT MOORED AT THE BULKHEADS AND SHEDS AND AMOUNT COLLECTED FOR MOORING CHARGES

| 00 |
|----------------|
| YEAR 1942-1943 |
| LYEAR |
| FISCAL |
| |
| |
| |

| Totals | 13, 825. 01 1, 221. 21 245. 30 | 15, 291. 52 |
|--------|---|-----------------------|
| June | 1, 431. 40 | 994. 12 1, 507. 35 |
| May | 943. 19 38. 13 12. 80 | 994. 12 |
| April | 509. 79 | 552. 51 |
| March | 1, 104, 29 45, 81 14, 33 | 802. 27 1, 164. 43 |
| Feb. | 623.96 147.06 31.25 | 802.27 |
| Jan. | 954.81 216.04 5.92 | 1, 176. 77 |
| Dec. | 1, 583. 78 157. 18 159. 20 | 1, 900. 16 1, 176. 77 |
| Nov. | 1, 176. 54 101. 24 5. 96 | 1, 283. 74 1 |
| oet. | 1, 790. 56 1, 441. 75 58. 26 210. 29 2. 11 | 1, 654. 18 |
| Sept. | 1, 790. 56 58. 26 | 1,848.82 |
| Aug. | 1, 409. 83 76. 40 11. 64 | 1, 497.87 |
| July | \$855. 11 52. 13 2. 09 | \$909, 33 |
| | Steam vessels Sail, vessels Harbor Grafts | |

- 7. Estimates and preparation of reports to the Puerto Rico Planning Urbanizing and Zoning Board for their approval of projects with insular emergency funds.
- 8. Design of 150 meters of marginal bulkhead wharf to be built west of Pier No. 12 at Puerta de Tierra.
- 9. Revision of a project prepared by the engineering firm "Dávila & Llenza", of Río Piedras, for the construction of a marginal wharf at Aguadilla Harbor.
- 10. Fire prevention project for the building of the Department of the Interior.
- 11. Preparation and revision of Rules and Regulations Applying at Public Wharves and of tariffs applicable thereof.
- 12. Project for repairing the roofs of Piers 6 and 13 with application to the Insular Emergency Board and the Puerto Rico Planning, Urbanizing and Zoning Board.
- 13. Project for repairs and improvement of streets leading to Piers 12 and 13 of the San Juan Harbor Board, in Puerta de Tierra.
- 14. Construction and erection of gates at the entrances of Piers. 12, 13 and 14, in compliance with request of the U. S. Coast Guard for the identification of persons entering the premises.
- 15. Repairs to general equipment owned and operated by the San Juan Harbor Board.
- 16. Submittal to the War Production Board for priority assistance for critical materials to be used by the division during the fiscal year 1943-44.
- 17. General repairs undertaken to Piers 6, 12 and 13, owned and operated by the San Juan Harbor Board.
- 18. Reports on studies made by the Engineering Division for Piers and Harbors and the U. S. Experiment Station at Vicksburg, Mississippi, in relation to the construction of a new project for Ponce Bulkhead Wharf.
- 19. Revision of project for the construction of a small landing pier at "Punta Pozuelo" by the "Cooperative Pozuelo".
- 20. Preparation of a bill creating the "Insular Ports Authority for Puerto Rico", to be studied by a committee appointed by the Governor of Puerto Rico.
- 21. Public hearings attended at the Public Service Commission, in regard to tariffs, etc.
- 22. Estimates prepared for the repair and painting of the roofs of Piers 6 and 13.

23. Valuation of Piers 6, 12 and 13 property of the San Juan Harbor Board.

The activities of the division during the year 1942-43 were curtailed by restrictions of the Federal Government in regard to construction projects, so that critical war materials might be saved. Due to these restrictions it has been impossible to start the construction of Pier No. 4 in San Juan and of 150 meters of marginal wharf west of Pier No. 12 at Puerta de Tierra; and the Ponce Bulkhead Wharf, although all these projects have been authorized by the Legislature of Puerto Rico.

The project for the construction of the bulkhead wharf at Arecibo Harbor was approved by the U. S. Engineer Office and the Secretary of War, but on account of the considerable amount of critical war material involved and upon recommendation of the U. S. Engineer Office at San Juan, a new project was prepared by this division using native timber instead. The lumber is to be supplied by the U. S. Engineer Office from their sawmill at the forest reservation at Luquillo. This project will be constructed as soon as the Federal Government undertakes the dredging of the harbor.

During most of the year this division rendered valuable services to the Office of Civilian Defense in the preparation of technical reports and projects.

The Chief of the Engineering Division for Piers and Harbors has acted as Treasurer of the San Juan Harbor Board since May 1st, 1942 and during the end of the fiscal year 1942–43 also acted as Engineer Director of the Bureau of Automobiles and Traffic.

MUÑOZ RIVERA PARK COMMISSION AND SERVICE OF PARKS AND RECREATION ANNUAL REPORT 1942 1943

In the history of civilization, it is easily observed that a vast development of art and play has always provided the best means for the expression of human emotion through constructive channels; and it always resulted in the amelioration of the social environment.

Art and Recreation have long been recognized as the Royal road to ethics because it is the natural means to the realization of the physical as well as the moral welfare of human society.

The justification for any public service is its social contribution, and this contribution can be effective only as its benefits are wide-spread and reach all the elements of our population.

The Park movement will fall short of its opportunity as well as its function if it does not make its fullest contribution to the cultural development of the Island.

This movement started in 1919 but for the benefit of the City of San Juan only, through what is known as the Parks Commission.

In April 24, 1942 an Insular Park Service was created by Act No. 46 of our Legislature which makes these facilities extensive to the rest of the Island as well.

Although our goal includes the planning, construction and care of places for public recreation, such as athletic fields, bathing beaches, swimming pools, community centers, community libraries, buildings for moving pictures, museums, open air theaters; and lecturer parks and any other work or establishment to be devoted to all these cultural and recreational activities in which the public may participate directly, will also be sponsored.

PARK COMMISSION

The gardens of the Muñoz Rivera Park were improved by renovating some of the structures, adding fertile soil and manure, planting ornamental plants, thinning of crowded trees and shurbs, maintaining the lawns, and controlling parasites and diseases.

The grounds of the Department of the Interior, the Department of Agriculture and Commerce and at Recinto Sur were graded and landscaped.

Construction:

New buildings and recreation places were either constructed or considerably improved. The most important among these were a public lavatory, a concrete basket ball court in accordance with the latest regulations, the Barrio Obrero Basket Ball Court; repairs to the Sixto Escobar Park, and the construction of restaurant huts and gardens for the Armed Forces at Recinto Sur.

Recreation:

Due to the improvements carried out by the Parks Commission the recreational facilities for the public were considerably increased. As an example it may be mentioned that the total attendance to the Sixto Escobar Base Park during the year was 143,272 which is the largest annual attendance ever attained. Olympic games and boxing bouts also took place in the park. The public enjoyed freely throughout the year the facilities offered for the playing of baseball, soft-ball, tennis, volley-ball, basket-ball, table tennis and other sports.

Public Relations:

The Commission furnished plants and flowers to the Insular and Municipal Governments and to the Tenth Naval District and the Puerto Rico Military Department.

The pergolas and other sites of the Muñoz Rivera Park were used by charity institutions for money raising activities.

Concessions:

The funds collected from the leasing of facilities amounted to \$5,185.71 during this fiscal year as compared to \$3,807.46 during the previous year.

Police Service:

The Park Police force was able to mantain order notwithstanding the increased attendance to the Park this year.

SERVICE OF PARKS

At the end of this fiscal year the Service of Parks had been in operation only nine months and in spite of the war restrictions on critical material, it accomplished considerable work.

Base-Ball fields and courts for other games were either completed or under construction in many places throughout the Island. Work of this sort is being developed in the following municipalities:

Guayanilla, Tallaboa, Ponce Playa, Patillas, Florida, Río Piedras, Cayey, Aibonito, Toa Baja, Trujillo Alto, and Río Grande.

All the above projects are being constructed with Park Service Funds exclusively.

The Guánica Athletic Field is being constructed as part of a \$250,000 W.P.A. Island wide project of which 25 per cent is contributed by the Insular Park Service.

It is hoped that the National Park Service will grant to Puerto Rico the same benefits and facilities that have been extended to Hawaii and Alaska.

SIXTO ESCOBAR PARK

BASE-BALL PROFESSIONAL SEASON 1942-43

| Date | Games | Gate Returns Professional League | Park Commission Participation |
|--|----------------------------|--|--|
| 1942 October 11. October 18. October 25. | 2 2 2 2 | \$4, 061, 60 3, 304, 90 2, 535, 95 | \$81. 22 66. 10 50. 72 |
| | 6 | \$9, 902. 45 | \$198.04 |
| Average Return per Game | | \$1, 650. 41 | |
| November 1. November 8. November 15. November 22. November 29. | 2 2 2 2 2 1 | \$3, 102. 50 2, 387. 30 3, 309. 95 2, 647. 85 1, 689. 95 | \$62. 05 47. 75 66. 20 52. 95 33. 80 |
| | 9 | \$13, 137. 55 | \$262. 75 |
| Average Return per Game | | \$1, 459. 72 | |
| December 6. December 13. December 20. December 27. | 2 2 2 2 2 | \$2, 250. 10 4, 002. 10 2, 673. 80 2, 488. 80 | \$45. 00 80. 04 53. 48 49. 77 |
| | 8 | \$11, 414. 80 | \$228. 29 |
| Average Return per Game | | \$1, 426. 85 | |
| 1943 January 8 January 6 January 10 January 17 January 17 January 24 January 31 | | \$3, 171. 05 1, 385. 20 2, 599. 15 2, 559. 80 3, 609. 10 3, 378. 95 | \$53. 42 27. 70 51. 98 51. 19 72. 18 67. 58 |
| | 12 | \$16, 703. 25 | \$334.05 |
| Average Return per Game | | \$1,391 94 | |
| February 7. February 14. February 27. | 2 2 1 | \$1, 756. 05 3, 578. 45 1, 509. 55 | \$35. 13 71. 57 30. 19 |
| | 5 | \$6, 844. 05 | \$136.89 |
| Average Return per Game | | \$1, 368. 81 | |
| March 13 March 14 March 20 March 21 | 2 | \$1, 077. 70 1, 049. 35 384. 85 353. 00 | \$21. 55 20. 98 7. 70 7. 06 |
| | 6 | \$2,864.90 | \$57. 29 |
| Average Return per Game | | \$477. 48 | |
| Total Park Commission Participation 2% of Returns. Total Gross Gate Returns. Number of Games | | | 1, 217. 31 60, 867. 00 46 |

Out of the total of \$1,217.31, \$13.25 were collected for the American Red Cross.

SIXTO ESCOBAR PARK

BOXING AMATEUR SEASON NO CHARGE 1942-43

| Date | Gross Income | ø |
|---|--|---|
| January 8. January 15. January 22. January 29. | \$142. 75 294. 60 279. 5 301. 05 | |
| | \$1,017.95 | 1 6 5 5 |
| Average Gross Income per Bout | | \$254.49 |
| February 1 February 3 February 5 February 8 February 10 February 12 February 12 February 15 February 19 February 19 February 19 | 183. 05 285. 35 154. 00 509. 80 210. 05 532. 70 | |
| Average Gross Income per Bout. Total Gross Income | | \$339. 07 \$4, 069. 60 |

PROFESSIONAL SEASON

| Date | Gross Income | Park Rent (5%) |
|---|---------------------------------|--|
| May 4 | \$510. 40 277. 50 510. 00 | \$25. 52 13. 88 25. 50 |
| | \$1, 297. 90 | \$64. 90 |
| Average Gross Income per Bout. | | - \$432. 61 |
| June 2. June 18. June 25. | \$460. 00 547. 70 865. 70 | \$23. 00 27. 39 43. 29 |
| | \$1, 873. 40 | \$93. 68 |
| Average Gross Income per Bout. Total Gross Income. Total Park Rent (5%) | | \$612. 23 \$3, 171. 30 \$158. 58 |

SPORTS STATISTICS PROFESSIONAL BASE-BALL 1942-43

| | October | November | December | January | October November December January February March | March | Total |
|---|----------------------------|-----------------------------|-----------------------------|--|--|----------------------------|--|
| No. of Days in which Games were held. Attendance Average Attendance per Game Average Attendance per Game | 24 189 4, 031 8, 063 | 30, 639 3, 404 6, 128 | 26, 834 3, 917 6, 834 | 6 12 39, 640 3, 303 6, 606 | 15, 181 3, 036 5, 060 | 6, 789 1, 131 1, 697 | 25 46 143, 272 5, 510 3, 114 |

SPORTS STATISTICS PROFESSIONAL BOXING

| Total | 4,381 730 |
|-------|--|
| June | 2,726 908 |
| May | 1,655 551 |
| | Days of Fight. Attendance. Average Attendance. |

AMATEUR BASE BALL 1942-43

| Month | Days of Games | No. of Games | Total Atten- dance | Atten- dance per Game |
|---|------------------|--|---|--|
| July August September October November December January February March April May June | 20 | 38 23 22 34 38 38 36 61 29 21 21 28 | 4, 340 3, 782 725 1, 125 1, 500 1, 375 2, 225 1, 950 5, 300 3, 900 2, 100 2, 650 | 161 378 805 592 750 724 111 886 176 260 175 189 |
| Total | 217 | 403 | 30, 972 | |
| No. of Participant Players | | | 8, 866 | |

AMATEUR SOFT-BALL 1942-43

| Month | Days of Games | No. of Games | Total Atten- dance | Atten- dance per Game |
|--|--|---|--|--|
| July August September October November December January February March April May June June | 27 26 11 20 19 18 14 20 30 29 14 24 | 42 52 40 32 42 28 31 0 72 63 33 41 | 4, 285 7, 800 4, 950 1, 400 2, 275 1, 750 2, 250 4, 525 6, 700 6, 100 3, 325 4, 425 | 102 150 124 44 54 63 73 91 93 97 101 |
| TOTAL | 259 | 526 | 49, 785 | |
| No. of Participant Players | | : | 12, 624 | |

AMATEUR BASKET-BALL 1942-43

| Month | Days of . Games | No. of Games | Total Atten- dance | Atten- dance per Game |
|---|---------------------|----------------------------------|--------------------------|-----------------------------|
| July August August September October November December January February March April May June TOTAL No. of Participant Players | 8 11 13 11 10 12 65 | 11 12 24 22 10 14 | | |

AMATEUR VOLLY-BALL 1 42-43

| Month | Days of Games | No. of Games | Total Atten- dance | Atten- dance per Game |
|---------------------------------|------------------|-----------------|--------------------------|-----------------------------|
| July August September | 16 6 | 57 63 | 1, 550 275 | 27 4 |
| October November December | 11 19 6 | 47 76 20 | 775 1, 275 150 | 17 17 8 |
| January February | 5 8 7 | 12 8 7 | 225 325 325 | 19 41 |
| March April May | 14 12 8 | 19 12 8 | 875 550 275 | 46 46 |
| June TOTAL | 112 | 329 | 6,600 | |
| No. of Participant Players | | | 4, 603 | |

PERMITS FOR RECREATION AND OTHERS 1942-43

| | | 2 | | | | | | | | | | |
|--|---------|--------|-------|--------|--------|--------|---------|---------|-------------|---------|---------|----------|
| | July | Aug. | Sept. | Oet. | Nov. | Dec. | Jan. | Feb. | March April | April | May | June |
| | | | | | | | | | | , | 9 | c |
| Parties | - | 2 | 2 | - | | IC) | 67 - | m _ | 4 | 7 | 0 = | 7 |
| Kermesses. Athletics. | 10 | 27 | 32 | 36 | 49 | 34 | 37 | 43 | 41 | 49 | 23 | 16 |
| Others. Total Attendance to Parties. | 23 | 65 | 92 | 80 | 02 | 205 | 4 080 | 210 | 250 | 40 | 218 | 94 9,000 |
| Total Attendance to Kermesses Total Attendance to Athletics | 13, 465 | 11,857 | 6,925 | 3, 600 | 5, 671 | 6, 175 | 11, 550 | 20, 602 | 17, 930 | 25, 925 | 11, 315 | 11, 673 |
| | | | | _ | | | | | | | | |

| 0 | _ | 40 | 9 |
|--------|-----------------------------|-----------|-------------------------------|
| 30 | 1, 371 | . 6 | 8 |
| , | Ť, | | Total Attendance to Kermesses |
| | | , | |
| | | | |
| - 1 | | - 1 | |
| | | | |
| | | | - 1 |
| | | | |
| | | | |
| | | - : | ÷ |
| | | | |
| | | | |
| - 1 | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | - : | 1 |
| - 1 | | | |
| | | | |
| | - 1 | | |
| | | | |
| | | | ۰ |
| | - 1 | - : | - 1 |
| | | | CO |
| | | | 99 |
| | | | SS |
| | 88 | | 6 |
| | -= | | 8 |
| | エ | | H |
| | ದ | | ۳ |
| : | ρ. | - 1 | 2 |
| | _ | | _ |
| arties | Total Attendance to Parties | Kermesses | t |
| | æ | | 9 |
| | ĭ | 1 | \approx |
| | 8 | | 3.1 |
| | ਰ | | ë |
| - 1 | ā | | Ē |
| | 0 | 700 | 0 |
| | ţţ. | 9 | Ξ |
| | 4 | 50 | 4 |
| 53 | 4 | 9 | |
| je | 7 | H | - |
| r | 12 | E | 3 |
| 8 | 0 | (0) | C |
| Д | H | M | E |
| | | | |
| | | | |
| | | | |

Totals

Athletics 397 Total Attendance to Athletics 146,688

DIVISION OF ACCOUNTS AND DISBURSEMENTS

This Division prepared and passed for payment during the fiscal year 1942–1943, 11,893 vouchers, which represented 545 main accounts, as follows:

| Class | Vouchers | Amount |
|--|----------------|------------------------------------|
| On account of Contracts Office salaries and expenses for materials, supplies and services pertaining to work executed by Administration | 325 11, 568 | \$1, 106, 550.00 3, 445, 054.19 |
| Cash payments on 12,053 laborers' pay rolls | | 2, 328, 758.91 |
| TOTAL | 11, 893 | \$6, 880, 363.10 |

Furthermore, vouchers from the Isabela Irrigation System in the amount of 454, aggregating the sum of \$645,548.28 were sent to the Auditor's office through this Division, for payment.

The Special Disbursing Officer of this Department made during this fiscal year 1942–1943, 137,943 cash payments on 12,053 pay rolls, amounting to \$2,328,758.91 on the accounts indicated below:

| Maintenance and repair of public roads and bridges | \$883, 048. 65 |
|--|-------------------|
| Road Survey and construction | 138, 358. 16 |
| Construction and repair of public buildings | 116, 132. 43 |
| Reconstruction and repair of Insular Telegraph lines | 9, 197. 51 |
| Fund for the general plan of Municipal roads | 480, 337. 44 |
| Muñoz Rivera Park | 82, 242. 40 |
| Municipal projects and miscellaneous | 573, 533: 72 |
| Construction of Capitol Building | 45, 908. 60 |
| | |
| Total | \$2, 328, 758. 91 |
| | |
| RESUMÉ | |
| Disbursed by vouchers | \$4, 551, 604. 19 |
| Disbursed by pay rolls (Labor) | |
| Total | \$6, 880, 363. 10 |
| | |

The requisitions for material, machinery, office supplies and transportation issued on the Bureau of Supplies, Printing and Transportation numbered 4,362 and the cost of articles paid to the Bureau amounted to \$626,427.34. Direct orders issued to individuals and private concerns numbered 138, and their cost amounted to \$23,391.29.

STATEMENT OF UNEXPENDABLE PROPERTY

| Value of Government property under the jurisdiction of the Department at the close of business on June 30th, 1942, amounted to Property acquired during fiscal year 1942-1943 | |
|--|--|
| Total Deduction corresponding to worn out articles | |
| Present value of property under this Department on June 30th, | |

The following table shows a comparison of the expenditures of this fiscal year, with those of the previous year:

| Fiscal Year | Vouchers | Amount | Laborer's pay rolls | Amount | Total |
|------------------------|--------------------|------------------------------------|---------------------|------------------------------------|------------------------------------|
| 1941–1942 1942–1943 | 12, 270 11, 893 | \$5, 367, 526.36 4, 551, 604.19 | 9, 906 12, 053 | \$1, 230, 044.75 2, 328, 758.91 | \$6, 597, 571.11 6, 880, 363.10 |
| Difference | 377 | \$815, 922.17 | 2, 147 | \$1, 098, 714. 16 | \$282, 791.99 |

CHANGES IN PERSONNEL

During this fiscal year 1942-1943, the following changes were made in the personnel of this Department:

Permanent appointments, 85; temporary appointments, 261; reinstatements, 65; transfers from this Department, 3; Military Service, 11; retirements, 3; salaries increased and decreased, 308; ceased, 529; promotions, 26; deceased, 2.

ISABELA IRRIGATION SERVICE

Quebradillas, P. R.

Annual Report

General Summary.—Operating results of this Organization for the fiscal year ending June 30, 1943 were satisfactory and the prospective view for the coming year is very promising.

Under Law No. 200 of May 11, 1942, an appropriation of \$175,000 was made by the Legislature of Puerto Rico for the construction of Hydroelectric Plant No. 3. Of this appropriation, \$75,000 was made available during the year and with this amount considerable progress has been made.

On May 10, 1943, another Act was approved, No. 58, appropriating the sum of \$20,000 from the funds of the Treasury of Puerto Rico to continue irrigation and hydroelectric investigations in that part of the Island extending eastward from the Guajataca River to the municipal boundary between the towns of Hatillo and Arecibo. The purpose of these investigations is to extend the benefits of irrigation to those lands, and at the same time to improve the financial condition of this Service.

Production of electric energy in the district amounts to 9,692,720 kw. hrs., showing an increase of 1,942,800 kw. hrs. over the previous year. Only 200,474 kw. hrs. were purchased at the interconnection.

Total power generated and purchased amounted to 9,893,194 kw. hrs., or 315,521 kw. hrs. over last year.

Energy delivered to consumers in the district amounted to 5,307,252 kw. hrs. and energy sold at the interconnection was 2,903,034 kw. hrs. Total gross sale amounted to \$259,324.56.

New extensions and constructions were limited by war production regulation.

Work on the construction of Power Plant No. 3 was initiated during the past fiscal year. All excavations on the access road to plant site have been completed, including the grading of the site. Bench excavations for the four-foot diameter reinforced concrete penstock were also completed. Up to June 30, 1943 there were driven 1,225 lineal feet of the six-foot diameter power tunnel at a rate

of \$4.00 per cubic yard. The erection of a concrete mixing plant was begun during the end of June.

To date a total amount of \$25,358.12 has been spent on this project, including the amount spent on surveys and transportation. The estimated cost of the project is \$210,122.69, and the estimated energy to be generated will amount to 7,000,000 kw. hrs.

The hydroelectric equipment consisting of a 1,400 H. P. turbine, 1250 KVA generator, switch gear, substation, etc. was ordered to the James Leffel & Co. and the General Electric Co. at a total cost of \$53,000.

A total of 83,653 acre-feet of water were drawn from the Gua-jataca Reservoir in order to meet the requirement for the production of electric energy. The run-off into the reservoir was 84,995 acrefeet, exceeding the draft by 1,342 acre-feet; but about 7,000 acrefeet had to be wasted during the floods of October and November, 1942, and it was necessary, therefore, to draw about 5,160 acre-feet from the storage available in the Reservoir at the beginning of the fiscal year under review to meet the generating demand.

Out of the total volume of water drawn from the reservoir only 2,456 acre-feet were delivered for irrigation purposes, under provisions of Law No. 178 of May 14, 1941, and 184.2 acre-feet were sold under direct orders with a cash value of \$426.05. Water delivered for municipal waterworks and for domestic and industrial purposes amounted to 3,180 acre-feet with a cash value of \$13,875.37.

In accordance with provisions made in Act No. 201 of May 11, 1942, the Irrigation Commission created by said Law ordered the exclusion of 1,183.2 acres of land expropriated by the Federal Authorities for the establishment of the Air Base No. 1 at Punta Borinquen, and 92 acres used by the Puerto Rico Housing Authority for the settlement known as "José de Jesús Esteves" from the total acreage included at the formation of the Permanent Irrigation District.

Work is in progress under project No. 32–35–1–260 of the War Emergency Program, at the Spillway Channel of the Guajataca Reservoir, and preparatory work is under way for lining with concrete the Main Canal of the Irrigation System, in a length of six kilometers, to prevent excessive seepage losses, with funds obtained from the War Emergency Council, under project No. 32–78–1–259 approved by said Council.

The fiscal year has been successful as to financial results as will be determined from the following data:

The cash collections from operation only amounted to \$324,576.17, distributed as follows:

| Sale of electric energy | |
|--|----------------|
| works, etc Miscellaneous revenues from contributions, rents, etc | 37, 575. 28 |
| Total | \$324, 576. 17 |

The sum of \$156,661.76 was disbursed to meet payment of current operation and maintenance expenses as well as necessary improvements and extensions to the irrigation and hydroelectric systems.

Payments were also made as follows:

| 1. For purchases of equipment, materials, and supplies made | |
|---|----------------|
| thru Bureau of Supplies, Printing, and Transportation | \$61, 328. 99 |
| 2. Previous years' accounts | 6, 379. 58 |
| 3. Reimbursements made to Insular Treasury in partial pay- | |
| ment of advances made to this Service during previous | |
| years | 40, 000. 00 |
| 4. Partial contribution by this Service for the payment of | |
| interest on bonded debt | 16, 812. 50 |
| | |
| Total | \$124, 521. 07 |
| Total | \$124, 521. 07 |

This has been the first year in which it has not been necessary for the Insular Treasury to advance funds to complete payment of the annual amortization of bonds and interest due, as these were defrayed with the income derived from the Special Tax of one-tenth of one per cent authorized by Act 120, approved May 5, 1939, as explained below:

| Payment on principal | . , |
|----------------------------------|----------------|
| Payment of interest accrued | 114, 812. 50 |
| | \$414, 812. 50 |
| Income obtained from Special Tax | 398, 000. 00 |
| Difference | \$16, 812. 50 |

This difference was defrayed out of the general funds of the Organization.

The result obtained during the year under report confirm our assertion of last year that the ever increasing income of the Service will permit within a few years to meet payment of the fixed debt and interest accrued thereon besides the normal cost of operation.

IRRIGATION SYSTEM

| Direction and Supervision: | |
|--------------------------------------|--|
| Mr. Domingo Panaíni | Chief, Irrigation Division, and Assis- |
| | tant Chief Engineer. |
| Mr. Saúl Rodríguez Estronza | Assistant Engineer. |
| Mr. Pedro García Badillo | Clerk. |
| MISS PAULA LÓPEZ NÚÑEZ | Clerk. |
| Operation: | |
| Mr. Juan García Roca | Overseer for the Operation and Con- |
| | struction of Irrigation System. |
| Mr. Juan Adames | Ditchrider. |
| Mr. Quintín Ocasio | Ditchrider. |
| Mr. José C. Vera | Ditchrider. |
| Mr. Serafín Alfaro | Ditchrider. |
| Mr. Valentín Juarbe | Ditchrider. |
| Mr. José Díaz Muñtz | Ditchrider. |
| Mr. Higinio Anza Alers | Ditchrider. |
| Mr. Adrián Flores | Gate Tender. |
| Maintenance: | |
| Mr. Juan Medina Rodríguez | Ditchrider (at large). |
| General Maintenance and Construction | Group: |
| Mr. Rafa'l Cantellops | Overseer for General Construction |
| Mr. Gregorio Riollano | |
| 106 | |
| | |

IRRIGATION SYSTEM

Weather conditions, taken as a whole for the year, were favorable to the normal operation of the system. No atmospheric disturbances were observed and the rainfall on the watershed exceeded by 10.75" the average for the period of observations, yet the run-off for the months of January, February and March was only 54 per cent of the normal for that part of the year.

Temperature.—The following tabulation shows the maximum and minimum temperatures observed during the year, with the dates when they occurred, at the weather stations of Lares, Quebradillas and Isabela Experiment Station, where temperature records for the District are kept. Tabulation gives also the average of the monthly maxima and minima and the mean recorded temperature for the year at each one of these station.

| | Guajata | ca Watershed | Irrigation District | | | | |
|--|--------------------------------------|--------------------------------|--------------------------------------|--------------------------------|--------------------------------------|-------------------------------|--|
| | Station at Lares | | | n at Isabela ment Station | | n at I. I. S. ebradillas | |
| | Tempe- rature | Date of Observation | | | Date of Observation | | |
| Maximum Minimum Mean Maximum Mean Minimum Yearly Average | 92°F 55°F 86°F 64°F 75°F | July 19, 1942. Feb. 5, 1943 | 91°F 69°F 85°F 68°F 76°F | Oct. 3, 1942 Mar. 22, 1943. | 96°F 53°F 87°F 66°F 76°F | Oct. 3, 1942 Feb. 14, 1943 | |

Rainfall.—The rainfall for the year amounted to: 112.62" at Lares, 111.13" at Soller and 80.74" at Guajataca Dam. The average precipitation for the watershed was 101.50" and this represents an increase of 10.75" over the normal. Rainfall observations at Lares have been recorded for the past thirty-eight years, at Soller for the past seven years and at Guajataca Dam for the last twenty-one years.

The rainfall on the watershed tributary to the Reservoir was above the normal for the period of observations, and that registered at the four stations located within the irrigable zone was also above the normal observed.

Interconnection.—During the year our system was permanently interconnected with the system of the Authority of the Water Re-

sources. Energy purchased by this district was 200,474 kw. hrs. and energy sold to the Authority was 2,903,034 kw. hrs.

No energy was purchased at the interconnection with Central Coloso.

Meter and Transformer Section.—Total number of meters installed by the end of the fiscal year was 8892 and there were 379 meters in stock. Total number of meters tested, repaired and recalibrated was 2210, of which 117 were at the request of consumers.

The following table shows classification of meters tested:

| • | | | | | |
|---------------------|------------|----------|------------|--------|--|
| Month | Periodic | Complain | Laboratory | Total | |
| 1942 | | | | | |
| July, | 245 | 13 | | 258 | |
| August | 332 | 4 | | 336 | |
| September | 511 311 | 12 | | 323 | |
| October November | 100 | 18 | 8 | 126 | |
| December | 153 | 3 | | 156 | |
| 1943 | | | | | |
| January | 32 | 12 | 178 | 217 | |
| February | | 16 | 130 | 146 | |
| March | 41 | 8 | | 49 | |
| April | 3 | . 12 | 7 | 2: | |
| May | 17 | 4 | 4 | 25 | |
| June | 25 | 9 | 1 | 38 | |
| Totals | 1,770 | 117 | 323 | 2, 210 | |

The total KVA capacity of distribution transformers connected to the system was $4072\frac{1}{2}$ and distributed as follows:

| KVA. |
|------|
| KVA. |
| |
| KVA. |
| |

Improvements and Extensions.—Construction activities to reach new consumers were limited by regulations of the War Production Board. Only 27 new extensions were constructed. These constructions and improvement amounted to \$19,836.47.

During the year 1751 watthour meters were purchased and At Hidroelectric Plant No. I it amounted to 68.31"; at Mora Camp, to 65.46", at Isabela Experiment Station, to 76.72", and at Calero Camp,

to 76.72". The averages recorded at these stations are as follows: at Plant No. I, 63.12" for a period of seven years; at Mora, 64.35" for a period of fourteen years; at the Substation of Isabela, 70.18" for a period of fourteen years; and at Calero Camp, 61.68" for a period of fifteen years.

The records kept at the stations of Quebradillas and Coloso, located close to the limits of the Irrigation District, show a precipitation of 66.05" at the first one of the two, with an average of 57.51" for the past nineteen years, and 88.92" at the other station, with an average of 85.92" for a period of thirteen years.

The maximum precipitation for a 24-hours-period was registered at Soller, on April 27, 1943, and amounted to 5.25".

Table No. I of those of the Irrigation System, shows the monthly precipitation, in inches, recorded at each one of the stations above mentioned, compared with the monthly average observed. In this table are given also the total rainfall for the year and the yearly average for the period recorded. The heavy line in the upper part of Diagram "A" presents the percentage that the rainfall to the end of each month of the year is of the yearly rainfall on the watershed of the Reservoir. This curve is compared with similar curves for previous years.

Run-off.—The rainfall on the drainage area of the Reservoir greatly exceeded the normal during the first five months of the year and it became necessary—to waste about 7,000 acre-feet of water during this period, thru the tunnel gate of the Reservoir, to prevent flooding of the Insular Road from Camuy to San Sebastián; but it was so limited during the months of December, 1942 and January, February and March, 1943, that by the 20th of May, 1943, the draft from the Reservoir had to be reduced to about 70 per cent of the daily average up to that date.

The run-off for the year amounted to 84,995 acre-feet only 7 acre-feet less than that of previous year; but, as stated above, the distribution was not as desired, and it became necessary to draw 5,160 acre-feet from the storage available at the beginning of the year, to meet the demands of the Hydroelectric System. The lowest elevation observed during the fiscal year was 187.15 meters, with an available storage of 8,625 acre-feet, on April 27, 1943, and the maximum was 197.27 meters, with 33,410 acre-feet of storage, on December 2, 1942. This storage is only 390 acre-feet below the total available storage corresponding to the new elevation of 197.40 meters to which the earth dike above the Spillway was raised.

Diagram "A", lower half, shows in heavy line, the percentage which the total run-off to the end of each month is of the normal run-off for the period observed. This curve is compared with similar ones for previous years.

Graph "B" presents the monthly run-off, in acre-feet, recorded from the year 1916-17 to date, and the mean monthly run-off for the period of observations. From August 1927 on, when impounding at the Guajataca Reservoir was commenced, observations are based on the operation of the Reservoir.

Operation of the Guajataca Reservoir.—The operation of the Guajataca Reservoir was initiated with an available storage of 18,500 acre-feet on July 1, 1942, and was completed with 13,340 acre-feet on June 30, 1943. The run-off for the year, amounting to 84,995 acre-feet, would have been more than enough to meet the demands of the System, if it had been distributed normally but, as already explained, it was excessive during the first five months of the first year, exceeding the storage capacity of the Reservoir by 7,004 acre-feet. which had to be wasted in October and November. During the months of December, January, February and March, the run-off was limited and by May 20th, the flow had to be reduced to about 70 per cent of the daily average flow up to said date. Even then the reaction was sluggish and the year was completed with a loss of 5,160 acre-feet from the initial storage.

Table II of this report shows the yearly run-off into the Guajataca Reservoir, the draft from the Reservoir, the wastage to the sea and the storage available on June 30th of each year, beginning with the fiscal year 1927-28, when operation was initiated, up to and including year 1942-43.

The heavy line of Diagram "C" represents the storage available daily in the Reservoir, compared with similar graphs for previous years.

At Diagram "D", upper part, is shown the flow diverted daily from the Reservoir, to meet the demands of the System. This flow was practically uniform up to May 20th, and at the average rate of 117.5 second-feet. From May 20th on, the flow had to be greatly reduced, averaging about 70 per cent of the flow to that date. The average daily draft for the year was 113.9 second-feet, or about half second-feet over that of previous year. The maximum flow diverted during the year was 125.58 second-feet, from January 21 to March 3 and from March 29 to April 27, 1943.

Three times during the year was the flow of the Diversion Canal interrupted for cleaning and repairing purposes: on July 26, 1942, for a period of twenty four hours, to reline with reinforced concrete a section of 85 feet of canal at the place known as "Las Palmitas", and on January 17 and March 28, 1943, for 12-hour periods each.

The lower part of Diagram "D" gives the averages of the daily losses for each month of the year and the average for the year of all the daily losses. This average amounted to 28.4 per cent of the total flow and it is 6.7 per cent below that for the year 1941-42.

Operating expenses of the Reservoir for the year, including part of the salary of the gate tender, helpers' wages and materials and supplies used amounted to \$829.25.

Operation of the Water Distribution System.—Diagram "E" illustrates how the combined flow or water drawn from the Reservoir and diverted from other sources is distributed. The total flow in the Diversion Canal during the year amounted to 83,653 acre-feet of which 6,267 were turned over to Moca Canal and the balance was passed thru Plant No. I to the Main Canal. Seepage losses on this flow amounted to 11,052 acre-feet. At least 90 per cent of this seepage will be avoided when the lining of the Main Canal be completed. Wastage at Los Cedros, for the year, amounted to 45,490 acre-feet.

Diagram "F" shows the results obtained in the operation of the Water Distribution System. Out of the total volume of 83,653 acrefeet flowing in the System, only 2,456.35 acrefeet were used for Irrigation purposes and 3,179.85 for waterworks, and domestic and industrial purposes. Dotation water in the amount of 2,249.90 acrefeet was served during the year against a total allotment of 8,145.61 acrefeet.

Information is given, in detail, at tables III, IV and IVA of this report, as to services made of sales and allotment waters, showing amounts sold or alloted monthly, deliveries made by gravity or pumps, orders issued during the year, amounts relinquished or not used, and balances carried forward.

Table V represents the operating characteristics of the South Valley Pumping Units, owned and operated by the Isabela Irrigation Service. Because of the low efficiency of these pumps it was necessary to use 68,142 KWHrs. to pump 295 acre-feet or an average of 231 KWHrs. per acre-foot pumped.

Cost of operation of the Diversion Canal and of the Distribution System were \$913.60 and \$10,768.01, respectively.

Water for Municipal, Domestic and Industrial Purposes.—Water for purposes indicated, in the amount of 3,179.85 acre-feet, were delivered during the year, under sixteen contracts. Previous year's deliveries for identical uses amounted to 2,741.00 acre-feet. The cash value of the water served under these contracts was \$13,875.36 as compared with \$8,086.73 for previous year.

The combined deliveries for purposes pointed above and for irrigation was 5,636.20 acre-feet or 6.7 per cent of the total flow in the Diversion Canal.

Maintenance.—To keep the Diversion Canal in conditions to carry at all times the high demands for water of the Hydroelectric System, it was necessary to give special attention to its maintenance. On July 26, 1942, for a period of twenty-four hours, and on January 17 and March 28, 1943, for periods of twelve hours each, services had to be interrupted to clean and repair the Canal. Maintenance expenses for the year amounted to \$2,887.64.

The distribution System received usual maintenance attention at a cost of \$8,557.26 for the year or an average of \$37.27 per kilometer of canal per year. Maintenance expenses of the Reservoir amounted to \$358.48.

PERMANENT IRRIGATION DISTRICT

At the completion of the Permanent Irrigation District, on June 30, 1938, the acreage included within its limits was fixed at 9,693.45 acres. Later on, with the stablishment of the Air Base No. I at Punta Borinquen, several plots were expropriated, affecting the status of over 1,000 acres of included lands. Then, the Puerto Rico Housing Authority acquired land lot No. 10 of Corrales, Aguadilla, with 92.00 acres under irrigation, to stablish the settlement known as "José de Jesús Esteves".

On May 11, 1942, the Legislature of Puerto Rico approved Act No. 201, creating an Irrigation Commission empowered to exclude those irrigable lands taken by the Federal Government and by the Puerto Rico Housing Authority, amongst others.

At the regular meeting of the Commission thus created, held on January 19, 1943, at Fortaleza, San Juan, Puerto Rico, this Organism approved, by unanimous consent of the members present, a resolution directing the Isabela Irrigation Services to exclude from the Permanent Irrigation District:

- (a) The 1,183.20 acres of irrigable lands already occupied by the Air Base No. 1 of Punta Borinquen, included within limits of tracts known as Plots 1, 2, 3, 4, and 5 and,
- (b) The 92.00 acres of irrigable lands taken by the Puerto Rico Housing Authority for the establishment of settlement known as "José de Jesús Esteves".

And thus the capacity of the Permanent Irrigation District was reduced by 1,275.20 acres. There are, besides, about 437 acres more which have been left without irrigation facilities. No irrigation taxes have been billed against these lands, and the probabilities are that they may have to be excluded also.

The following tabulation shows the size classification of farm units remaining in the Permanent Irrigation District at the end of fiscal year under review.

SIZE CLASSIFICATION OF FARM UNITS

| | | Group | Number of Tracts | Area Acres |
|--|--|--|--|--|
| From From From From From From From From | 0.00 0.50 1.00 2.01 5.01 10.01 20.01 30.01 50.01 100.01 | to 0.49. to 0.99. to 2.00. to 10.00. to 10.00. to 20.00. to 50.00. to 30.00. to 50.00. | 9 24 129 196 139 96 39 27 16 | 3. 10 15. 13 193. 35 670. 52 1, 013. 66 1, 348. 93 977. 43 1, 000. 48 1, 037. 27 2, 155. 08 |
| | | TOTAL | 686 | 8, 414. 95 |

CROP CENSUS

During the month of December, 1928, a census of crops within limits of the Irrigation District was prepared by the personnel of this Service. Since then, similar work has been done yearly for statistical purposes. The following tabulation compares results of the past six years with those of the first census:

CROP CENSUS TABLE

| | On Season Ending | | | | | | | | |
|---|--|---|---|--|---|---|--|--|--|
| Crops | Dec. 31 1938 Acres | June 30, 1938 Acres | June 30, 1939 Acres | June 30, 1940 Acres | June 30, 1941 Acres | June 30, 1942 Acres | June 30, 1943 Acres | | |
| Cane Corn Tobacco Cotton Plantains and Bananas Beans Ñames Frijoles Grass Cassava Sweet Potatoes Yautías Gandules Grape fruit and Lemons Vegetables Miscellaneous | 2, 295 389 452 172 346 72 27 37 112 20 6 | 6, 546 387 270 101 65 417 72 90 39 52 116 119 45 46 103 | 5, 569 423 108 51 19 261 62 75 82 25 87 10 45 36 96 | 6, 092 373 116 55 7 269 33 31 37 18 44 6 12 36 198 27 | 5, 642 119 124 110 7 172 33 9 18 14 20 7 | 5,879 125 46 119 5 146 25 12 4 1 16 4 13 37 120 7 | 5, 084 339 464 7 493 255 17 117 5 118 17 17 12 20 | | |
| Totals | 3, 948 | 8, 379 | 6, 963 | 7, 354 | 6, 382 | 6, 547 | 6, 386 | | |
| Less: One-half area planted in two crops | | 81 | 109 | 113 | 51 | 12 | . 286 | | |
| Cross area Harvested | 3, 948 | 8, 298 | 6, 854 | 7, 241 | 6, 331 | 6, 535 | 6, 100 | | |
| Net area Planted on date indicated | 3, 948 724 | 8, 160 | 6, 750 | 6, 758 25 | 6, 298 | 5, 701 | 6, 006 | | |
| Total Net Cultivated on Date Indicated | 4, 672 | 8, 160 | 6, 758 | 6, 783 | 6, 298 | 5, 701 | 6, 006 | | |
| Irrigated Area | 1, 095 | 5, 666 | 5, 396 | 3, 275 | 2, 843 | 4, 286 | 3, 932 | | |

| | | | Amount | |
|--|-----------------|----------------|----------------------------------|-----------------------|
| Certifications corresponding to | No. of Farms | Total Acres | Collected to June 30, 1943 | Pending Collection |
| Farms excluded from the Irrigation District and exempted from payment of any amount whatsoever | 190 | 489. 48 | | |
| Farms excluded from the Irrigation District, the owners of which had paid amounts equal to or greater than the resulting readjusted debt | 24 | 53. 87 | | |
| Farms excluded from the Irrigation District, the owners of which have paid balances resulting from readjustment. | 17 | 120. 75 | \$1, 217. 71 | |
| Farms excluded from the Irrigation District, the owners of which have accepted readjustment, but may as yet pay balances already determined by Insular Treasury. | 1 | 6. 49 | | \$53. 22 |
| Farms excluded from the Irrigation District, the owners which have not as yet accepted readjustment | 1 | 19.00 | | 56. 24 |
| Farms the owners of which have previously paid amounts equal to or greater than the resulting readjusted debt. | 414 | 4, 408. 11 | | |
| Farms the owners of which have paid balances resulting from readjustment | - 415 | 4, 623. 71 | 41, 124. 05 | 5, 775. 89 |
| Farms the owners of which have accepted readjust- ment, but have not as yet paid up balances already determined by Insular Treasury | 73 | 530. 05 | | - |
| Farms the owners of which have accepted readjust- ment, but balances to pay are as yet to be deter- mined by Insular Treasury | | | | |
| Farms the owners of which have not as yet accepted readjustment | 28 | 502. 63 | | 10, 048. 01 |
| Totals | 1, 163 | 10, 754. 09 | \$42, 341. 76 | \$15, : 33. 36 |

^{*} These amounts are estimated. In the case of farms included in these groups we have assumed that no water taxes have been paid since the inauguration of the service and therefore the amount to be paid in each case should be approximately equal to the total amount computed in the statement prepared by this Service.

The cane cultivated area had a drop from 5,879 acres planted previous year, to 5,084 planted this year. Only 3,712 acres of sugar cane were irrigated with 2,178 acre-feet of water, giving an average application of about 0.6 of an acre-foot per acre irrigated and 0.4 of acre-foot per acre planted to cane. There was a marked increase in the cultivation of corn, beans, grass and a few minor crops. But the cultivated area under vegetables and minor crops was greatly reduced. The area under vegetables and minor crops amounted to 220 acres and received 278 acre-feet of water, which gives an average of about 1½ acre-foot per acre planted.

Results commented above are presented graphically in Diagram "G", and Diagram "H" shows those relative to sugar cane production.

READJUSTMENT OF FARM DEBTS

Efforts were continued during the year to collect debts accumulated on irrigable lands up to June 30, 1936, and readjusted by Act No. 143 of May 15, 1937. Results obtained up to date are shown in the tabulation that follows.

TAX LEVIES

Act No. 63, of June 19, 1919, known as the "Isabela Public Irrigation Law", provided for the imposition of taxes on all lands included in the Permanent Irrigation District, to help meet operation and maintenance expenses and to cover amortization of bonds and interest on them. This Law has been modified from time to time, by the Legislature, to relieve critical situations faced by farmers, due to adverse conditions encountered. Table VI shows, in condensed form, all modification made to date.

INCOME FROM THE IRRIGATION SYSTEM

Up to July 1, 1936, the income derived from the Irrigation System consisted mainly of irrigation taxes imposed to all included lands under the original law and those amendments noted at Table VI. A large part of these taxes were not paid and had to be readjusted, as already stated, under terms of Act No. 146 of May 15, 1937. Then, in 1936, a new plan was initiated and maintained for five years. Under this plan, known as the "Optional Plan", all included lands were assessed \$1.00 per acre per year and were given the privilege to purchase water for irrigation purposes, whenever needed.

Revenues from this source were very limited and at the end of the Optional Plan a new Act, approved on May 14, 1941, was put in force. Report of the Insular Treasurer sets at \$25,985.14 the amount taxed under this Act for this year. Due to exclusions of lands taken by Air Base at Punta Borinquen, taxes levied for the fiscal year 1943-44 amounted to only \$21,541.68 and the probabilities are that they may be reduced even further; but, at any rate, the income under this new Act greatly exceeds that under the Optional Plan.

AIR BASE NO. I AT PUNTA BORINQUEN

On or about September 5, 1939, first notice was served, thru the Press of the Island, that expropriation proceedings at Punta Borinquen, for the establishment of Air Base No. I, would be initiated soon. From that date on and up to December 31, 1942, irrigable

lands within limits of said Base to the extent of 1,183.20 acres, had been expropriated. At the regular meeting of the Irrigation Commission, on January 19, 1943, these lands were excluded from the Irrigation District together with the 92.00 acres of lot No. 10 of Corrales, Aguadilla, which had been taken by the Puerto Rico Housing Authority. There are, besides, 437 acres of irrigable lands that have been left without irrigation facilities by the establishment of said Base.

The claim presented by this Service for physical property losses and severance damages against Federal Authorities, has not been settled as yet.

HATILLO-CAMUY-QUEBRADILLAS IRRIGATION DISTRICT

On May 10, 1943, was approved irrigation Act No. 58, appropriating the sum of \$20,000 to continue irrigation and hydroelectric investigations in the lands bounded on the West by the Guajataca River and on the East by the municipal boundary line between Arecibo and Hatillo.

Preliminary investigations made under provisions of Act No. 52, of April 28, 1928, do show the possibility of placing under irrigation some 6,000 acres of land in the municipalities of Hatillo, Camuy and Quebradillas. These lands could be irrigated with the waters of the Camuy River and with probable excedents of the Isabela Irrigation District.

CONSTRUCTION ACTIVITIES

The following relation gives the works realized during the year, under the direct supervision of this Division, with their costs:

A section of the Diversion Canal, 85 feet in length, at place known as "Las Palmitas", was relined with reinforced concrete to prevent seepage and frequent breaks of the concrete lining. The cost of the work amounted to \$476.72.

Several sections of the protection bands at Guajataca Dam road, which were torn out of place by trucks, were repaired and replaced at a cost of \$40.00, paid by the owner of trucks.

A section of the Aguadilla Canal, 440 feet long, next to Borinquen Field filtration plan, was lined with plain concrete, 3" thick, at a total cost of \$775.09. Of this sum the Irrigation Service covered cost of labor, transportation and supervision, amounting to \$409.03, and the Base contributed with materials valued at \$366.06.

Laterals P4, M6.5, M6.5–7, M6.5–8, M10, M10–16, M10.5, M10.5–8, M11, M11–7, M12, M12–5, M12–Ext. and syphon under Insular Road No. 2 at kilometer 135, were removed from the right-of-way of the Insular Road No. 2, section Isabela–Aguadilla, at a cost, to June 30, 1943, of \$2,716.26, charged against F. A. P. Project No. 11 Section 2.

Earth dike, 89 meters long, was constructed across the overflow channel of the Guajataca Reservoir, to increase the impounding capacity of the lake. Dike was built to elevation 197.40 meters. The available storage at this elevation is 33,800 acre-feet. The cost of the work was \$641.77.

An 8" outlet was constructed at Station 51-43 of the Moca Canal, for Doña María E. Labadie, at a cost of \$71.64, which were paid by her.

The warehouse, at Mora Camp, was reformed and painted outside at a cost of \$530.31, to June 30, 1943. A concrete socle was constructed around the building, the worn out wooden floor was removed and replaced with a tosca floor, sidings were reinforced with iron channels taken from old iron towers, and it was totally painted outside.

Plain and reinforced, 24" in diameter, concrete pipes, were cast, in the amount of 180 lengths, for use of the Service and for sale The total cost of the work was \$352.16.

At a cost of \$15.50, there were cast 22 reinforced concrete post, $6'' \times 6'' \times 6'$.

A 24" gate and a 4-foot standard, cippoletti weir, were installed below the tailrace of Plant No. 2, to control the waters of the Aguadilla Canal, at a cost of \$42.10.

The wooden gates at the end of the Principal Canal were reformed and a $4\frac{1}{2}$ -foot, standard, contracted, rectangular weir was installed, to measure the excedents of Plant No. 2. The cost of the work was \$38.76.

To control waters of the Principal Canal, a 12" gate was installed, at a cost of \$28.36, in the East Canal, below its head gate.

On June 28, 1943, work was initiated on Project No. 32–35–1–260 of the War Emergency Program, to repair the spillway channel of the Guajataca Reservoir. The cost of this work was estimated at \$7,456.40, and expenses to the end of fiscal year amounted to \$78.48.

HYDROELECTRIC SYSTEM

| Direction and Supervision: Mr. Herminio Nigaglioni Mr. Ramón Schaening Mr. Héctor Miranda Mrs. Guillermina Rodríguez Salgai | Chief, Hydroelectric Division. Electrical Engineer. Clerk. |
|---|--|
| Operation: | |
| (Distribution) | |
| Mr. Ramón Arce | Assistant Electrical Engineer. |
| Mrs. Miriam González Martínez | |
| Mr. Juan R. Ibáñez | Meter Tester. |
| MR. CARLOS NIEVES SANTIAGO | |
| Mr. Abdón Varela | Town Patrolman. |
| Operation: | |
| (Production) | |
| Mr. Oscar Hau | Chief Plants Operator. |
| Mr. SIMÓN ORAMAS | Plant Operator. |
| Mr. Eusebio Figueroa | |
| Mr. Miguel Machado | Plant Operator. |
| Mr. Félix Arce Arce | Plant Operator (At Large), |
| Mr. Valentín Rivera | * |
| Mr. Francisco A. Alfaro Calero | Plant Operator (At Large). |
| MR. MANUEL ZAMALOT | Oiler, |
| Mr. Eustaquio Rodríguez López | Oiler. |
| General Maintenance and Construction G | roup: |
| | Overseer, Operation & Construction of Electric Lines. |
| Mr. Angel Román | Asst. Line Overseer. |
| Mr. Alberto García | Asst. Lineman. |

HYDROELECTRIC SYSTEM

Production.—Power production in Power Plant No. 1 amounted to 6,002,260 kw. hrs. Production in Power Plant No. 2 amounted to 3,690,460 kw. hrs. Total production amounted to 9,692,720 kw. hrs., which represents a gain of 1,942,800 kw. hrs. over production during the previous year.

Diagram No. 1 shows power produced in the district, power imported at the interconnection, revenues obtained thru sale of that energy and the operating and maintenance expenses during each of the fifteen years the hydroelectric system has been under operation. Gross sales amounted to \$259,324.56 as compared with \$269,276.08 sold during the previous year.

Diagram No. 2 represents gross sales of energy during fifteen operating years. To the left of the curve are shown monthly sales during each year and to the right are shown amounts billed yearly. Sales for the coming year are expected not to exceed \$275,000 on account of the present war condition.

On Diagram No. 3 are included power generated at the plants in the district, power imported at the interconnection, energy delivered to consumers in the district, energy delivered to the Authority of Water Resources and energy lost during each of the months of the year.

Diagram No. 6 shows typical load curves of Plants Nos. 1 and 2. At the top is the load curve during the day of maximum production, when the output was 30,370 kw. hrs. and the peak load was 1300 KW. At the bottom is a typical daily load curve, showing an output of 29,530 kw. hrs.

Table No. 1 furnishes detailed information relative to power production in Plants Nos. 1 and 2, power purchased at the interconnection and power delivered to consumers. Outstanding figures from this table are:

| Power produced | 9, 692, 720 | kw. hrs. |
|------------------------------|-------------|----------|
| Power purchased | 200, 474 | kw. hrs. |
| Power sold to P. R. W. R. A. | 2, 903, 034 | kw. hrs. |
| Power delivered to consumers | 5, 428, 535 | kw. hrs. |
| Power lost | 1, 527, 759 | kw. hrs. |
| Per cent lost | 15. 5 | |

Distribution.—Diagram No. 4 shows distribution of electric power among different types of consumers. The outside annulus shows kilowatt-hours distributed to each group and the inside annulus shows income obtained from each type of consumer. Total electric energy distributed was 8,331,569 kw. hrs. as compared with 8,414,129 kw. hrs. distributed the previous year.

Demand among residential rate consumers was 2,603,603 kw. hrs. or 265,458 kw. hrs. over the previous year. Commercial rate consumers demanded 1,398,949 kw. hrs. as compared with 1,513,336 kw. hrs. used during the previous year. Industrial users demanded 830,096 kilowatt-hours as compared with 1,003,693 kw. hrs. they used the previous year.

Tables Nos. 5 and 6 show energy delivered to each type of consumer and amounts billed to each type. The average price at which energy was served to consumers was \$0.0311 per kw. hr. Gross income based on energy delivered to transmission lines was \$0.2269 per kw. hr.

Tables Nos. 7 and 13 and Diagram No. 8 show statistics relative to residential rate consumers. Average consumer demanded 30.56 kw. hrs. per month for an average price of \$1.54.

Tables Nos. 8 and 14 and Diagram No. 9 contain information relative to the commercial rate consumer. This type of consumer used 94.07 kw. hrs. per month for a price of \$3.63.

On Table No. 10 are shown statistics in connection with small and medium size power installations. This consumer demanded 74.84 kw. hrs. per month for an average bill of \$2.31.

Table No. 11 contains information on power consumption by consumers served under exclusive transformer rate. Their monthly average consumption was 147.19 kw. hrs. for an average bill of \$6.84.

Table No. 12 shows the distribution of electric energy among all types of consumers. Energy distributed per bill issued was 81.54 kw. hrs. and the average bill was \$2.53.

Power Contracts.—Information relative to power contracts is analized by the Commercial Section of the Property and Accounting Division. This Division is in charge of this activities of the hydroelectric service installed at a purchase price of \$13,825.15.

Power Plant No. 3.—The construction of Power Plant No. 3 was authorized by the Legislature of Puerto Rico. During the year only preliminary work has been done, pending the corresponding authority to construct by the War Production Board.

PROPERTY AND ACCOUNTS

| Direction and Supervision: Mr. Basilio del Pilar | Chief, Division of Property and |
|---|----------------------------------|
| | Accounts. |
| Accounting: | |
| Mr. Angel Mounier | _Bookkeeper. |
| Mr. Pedro A. del Pilar | -Clerk and Assistant Bookkeeper. |
| Commercial: | |
| Mr. William F. Cintrón | Billing Clerk. |
| Mr. Félix Chaves Badía | _Clerk. |
| Mr. José de Jesús Suazo | _Clerk. |
| Mr. Agustín Rivera | _Clerk. |
| Collection and Disbursements: | |
| Mr. Enrique Redón | |
| Mr. Arturo Abrams | _Special Disbursing Officer. |
| Miss Virginia Martínez Martínez | Clerk. |
| Property and Purchases: | |
| Mr. Ramón Molinari | Property Clerk. |
| Mr. Arturo Cañals de la Torre | _Clerk. |
| Transportation: | |
| Mr. Rafael Miranda | Chauffeur-Mechanic. |
| Mr. Francisco García Agueda | _Chauffeur. |
| Mr. T LÉSFORO PRIETO HERNÁNDEZ | -Assistant Chauffeur. |
| Mr. Faustino Hernández | Assistant Chauffeur. |
| File Room: | |
| Mrs. Candita Muñoz de Vales | _File Clerk. |
| Mrs. Lydia González de Munera | -Clerk. |
| 122 | |
| | |

PROPERTY AND ACCOUNTS

Power Contracts.—As shown under Tables 3 and 4 of the Hydroelectric System during the year under report were obtained the following results in connection with contracts issued and cancelled covering sale of electric energy:

| Contracts issued under general rates3, Less: Contracts cancelled3, | |
|--|-----|
| Net increase for year | 365 |
| Contracts issued under Rate No. 3 | _ |
| Less: Contracts cancelled | 441 |
| | |
| Net loss for year | 441 |
| SUMMARY | |

| | General Rates | Rate No. 3 (Service without meter) | Total |
|---------------------------------------|------------------|---|---------------|
| Active contracts at beginning of year | 8, 289 +365 | 444 441 | 8, 733 —76 |
| Total at end of year | 8, 654 | 3 | 8, 657 |

It will be noted that a loss has been sustained under contracts pertaining to Rate No. 3 (electric service without meter), and this has been due to the fact that the electric service in this case is controlled thru the public lighting circuits, which have been subject to be switched out at any time on account of "black outs" ordered by Civil Defense. Hence, the customers affected solicited discontinuance of service with the result that at end of year there were only three active contracts out of a total of 1,126, which we had two years ago.

The increase in contracts pertaining to general rates is very low if compared with previous years' increases, but this is explained with the fact that due to present war conditions construction of electric lines, etc. is widely restricted.

Billing.—During the year there were issued 102,865 bills of all kinds for a total amount of \$298,678.22. These figures, if compared with last year's ones, will show a decrease of 836 in the number of bills and an increase of \$6,003.80 in the amount billed. A classification, by months, of all bills issued is shown under Table "A".

Collection.—Tables "D" and "E" of this Division show the collections made during the year for account of "Isabela Irrigation Fund-Trust Fund", which were as follows:

| Receiving Officer: Power and water bills, etc | \$290, 668. 71 |
|--|----------------|
| Collectors of Internal Revenues of Isabela and Aguadilla: Water taxes, surcharges, etc. | 21, 961. 08 |
| Treasurer of Puerto Rico (San Juan Office): 1/10% Special Tax (Act 120 of 1939) | |
| Reimbursements, etc Transfer from Insular Treasury Repayment by Special Disbursing Officer | 140, 000. 00 |
| Total Receipts | \$878, 975. 67 |

During the year there were issued 102,509 bills covering sale of electric energy for a net amount of \$248,250.01.

Diagram No. 6 of the Hydroelectric System and Table "D" of the Division of Property and Accounts show the results obtained in the collection of power bills, as follows:

| Net amount billed | \$248, 250. 01 |
|---|----------------|
| Total collected up to June 30, 1943 | 218, 582. 48 |
| | |
| Balance pending collection | \$29, 667. 53 |
| Less: Amount collected in July, 1943, during which June bills are | |
| collected | 19, 526. 31 |
| | |
| Actual outstanding balance pending collection for year | \$10, 141. 22 |

The last figure, as compared with the one for previous year, shows that during the year under report the actual outstanding balance is much lower.

As will be seen from the following tabulation less than one per cent (1%) remains uncollected from nonpayment of power bills by minor consumers ever since the operation of our Hydroelectric System was started some fifteen years ago.

| Fiscal Year | Net amount billed for | Outstanding Balances Pending Collection | |
|---|---|---|------|
| I ADOM I VOL | collection | Amount | × |
| 1927-28 1928-29 1928-30 1930-31 1631-(July-September) 1931- (October) to 1934 (December) (1) 1935- (January-June) 1935-36 1935-37 1936-37 1937-38 1938-39 1938-39 1938-40 1940-41 1941-42 | \$3, 884. 61 33, 300. 21 41, 395. 17 45, 237. 16 11, 892. 04 179, 990. 31 31, 672. 88 75, 984. 15 96, 660. 18 106, 844. 21 121, 974. 87 141, 250. 81 192, 467. 21 265, 068. 20 248, 250. 01 | 30 199,98 172,88 160,84 834,98 415,54 429,07 1,405,61 1,070,40 745,64 1,007,15 1,461,62 3,685,91 29,667,53 | |
| Average | | 25, 007.00 | 0.86 |

NOTES:-

Disbursements.—Table "B" of this Division shows that 457 disbursement vouchers were issued during the year, covering the following main items:

| Current operating, maintenance and construction expenditures | \$217,990.75 |
|--|----------------|
| Accrued accounts payable corresponding to previous years | 6, 379. 58 |
| Obligations: Payment of principal and interest | 454, 812. 50 |
| Reimbursement of Customers' Cash Bond Deposits | 1,746.09 |
| | |
| Total | \$680, 928. 72 |

The Special Disbursing Officer made cash payments out of Special funds in his possession, as follows:

General Special Fund of \$14,000:

| Biweekly laborers payrolls | \$54, 757. 87 |
|---|---------------|
| Accrued wages | 358. 05 |
| Minor expense accounts | 1, 914. 60 |
| Traveling expense accounts of personnel | 3, 315. 04 |
| | |
| Total | \$60, 355. 56 |

Special Fund of \$1,000:

This Special Fund is dedicated to repay customers' cash bond deposits only, against which a total of \$1,746.09 was reimbursed during year.

⁽¹⁾ The total for the period from October, 1931, to December, 1934, is shown in a lump sum because during that time our Hydroelectric System was operated by Utilization of the Water Resources and the billing and cellection were carried on by that Organization.

⁽²⁾ The percentage in this case is not given because the outstanding balance covers bills issued during the last month of the year and, in part, bills owed by municipalities, governmental agencies, commercial firms, etc., accrued during the last months of the year, which were not paid within the fiscal year, all of which will be collected during the coming year, Hence the percentage would not be representative.

Purchases.—This Service issued, during the year, the following requisitions and direct or service orders:

| Requisitions to the Bureau of Supplies, Printing and Trans- | |
|---|-----|
| portation | 129 |
| Direct or Service Orders | 193 |

Unexpendable Property.—The following equipment was purchased during the year and classified as unexpendable property by the Office of the Honorable Auditor of Puerto Rico:

| or the | Honorable Additor of Lacito Lites. | |
|---------|--|-------------|
| Hydroel | ectric System: | |
| 1 | Transformer, 10 KVA, 240 volts | \$103.00 |
| 12 | Transformers, 5 KVA | 1, 054. 56 |
| . 6 | Watthour meters, 50 amperes | 81. 58 |
| 115 | Watthour meters, 15 amperes | 1, 068. 93 |
| | Watthour meters, 5 amperes | 12, 674. 64 |
| 6 | Transformers, 3 KVA | 362.02 |
| 6 | Linemen's rubber gloves size 11 | 25. 35 |
| 6 | Protective gloves for above | 13. 33 |
| 6 | Linemen's rubber gloves size $10\frac{1}{2}$ | 25. 35 |
| 6 | Protective gloves for above | 13. 33 |
| | Linemen's glove bags | 9.17 |
| 1 | Deadman wood pole 8 feet long | 18. 13 |
| 18 | Machetes Collin, 28" long | 16, 69 |
| 1 | Ground Testing Meter | 45.74 |
| 1 | Air Compressor with ½ H.P. electric motor | 127.50 |
| 6 | Tackle Blocks for Manila rope (motones) | 28.68 |
| | Side cutting pliers, 8" | 28. 03 |
| 12 | Linemen's tool belts | 82. 56 |
| 12 | Linemen's safety straps | 81. 73 |
| 12 | pairs climbers | 49. 17 |
| 12 | sets safety straps and pads for climbers | 41. 26 |
| 1 | Electric Grinder with 1/4 H.P. motor | 22. 95 |
| 2 | Round chisels, 1½ pounds | 3.70 |
| 1 | Screwdriver, Stanley, 12" | 1. 50 |
| 1 | Open end wrench, $7/8'' \times 11/16''$ | 1.00 |
| 1 | Open end wrench, $1-1/4'' \times 1-1/16''$ | 1.50 |
| 72 | Pickmatiocks, $4'' \times 20''$ | 97.80 |
| 1 | Open end wrench, $11/16" \times 19/32"$ | . 65 |
| 1 | Open end wrench, $19/32'' \times 25/32''$ | . 75 |
| 1 | Stillson wrench No. 14 | 1.75 |
| | Stillson wrench No. 24 | 3.00 |
| 1 | Bicycle "Excelsior" (second hand) | 30.00 |
| | Chicago Pneumatic Rock Drill | 154. 50 |
| 1 | Thor Clay Spade | 128.75 |
| 12 | Stone Forks, 12 teeth | 28. (4 |
| 18 | Wheelbarrows, steel | 90.58 |
| | Steel Sledges, 12 pounds | 14.76 |
| 72 | Shovels, round point | 85, 90 |
| | Steel Buckets, for concrete | 19. 57 |

\$16,637.45

\$18, 275, 31

| urniture and Equipment: | | |
|--|------------|------------|
| 2 Steel Desk Card Files, double, 4" × 4" | \$10.30 | |
| 1 25-lb. scale | 3. 32 | |
| 6 Flags, American, $4' \times 6'$ | 28.74 | |
| 2 Metallic Tapes, Lufkin No. 546 | 15.45 | |
| 1 Auto Nash 600, Coupé 1942 model | 1, 135. 49 | |
| 1 Tee Square, 60" long | 15. 17 | |
| 12 Auto Tires size 6.50 × 16 | 260.84 | |
| 4 Truck Tires 32 × 6 | 147.08 | |
| 1 Stillson Wrench No. 14 | 1.75 | |
| 1 Stillson Wrench No. 24 | 3.00 | |
| 1 Auto Tire Gauge, pencil type, 20-120 lbs | 4, 50 | |
| 10 Celluloid Triangles, various sizes | 5. 65 | |
| 1 Celluloid Triangle, size 10 | . 57 | |
| 12 Steel Sledges, 1 pound each | 6.00 | |
| _ | | \$1,637.86 |
| | | |

Transportation.—This Service operated ten vehicles, as follows:

One Buick Sedan, 5 pass., 1935 model,

One Dodge Sedan, 7 pass., 1940 model,

Two Ford Coupés, 1937 model,

 $\mathcal{F}u$

One Nash Coupé, 1942 model,

Two Ford pickups, 1937 model,

One Ford pickup, 1940 model,

One Dodge truck, 1936 model,

One Fordtruck, 1940 model.

This Service purchased, thru the Bureau of Supplies, Printing and Transportation, the auto Nash Coupé mentioned above for the sum of \$1,135,49.

These vehicles are used by the employees for inspection of regular operation and maintenance, and for inspection of field work.

Trips are effected by means of travel orders requested in advance. During the year 983 orders were issued.

The following table shows the unit cost and distance run per vehicle, for the last two years:

| Auto | Mile | age | _ Unit C | Unit Cost | |
|-------------|---|--|--|---|--|
| | 1941-42 1942-43 | | 1941-42 | 1942-43 | |
| Buick IG-12 | 5, 494 M 16, 823 K.M 3, 732 M 14, 754 K.M 19, 718 K.M 19, 736 K.M 23, 571 K.M 10, 743 M 12, 440 M | 6, 230 M 11, 837 KM 4, 042 M 11, 512 KM 19, 125 KM 19, 173 KM 19, 394 KM 8, 184 M 10, 162 M 10, 139 M | \$0. 082 . 04 . 162 . 041 . 03 . 041 . 064 . 082 . 073 | \$0.0782 .05038 .1465 .04998 .033 .04469 .07689 .03828 .088174 .0476 | |

Total operating and maintenance costs for this year amounted to \$7,305.13, which compares favorably with last years figure. These costs are distributed monthly among construction, operation, maintenance and sundry accounts in accordance with the distance run and object of trips.

Budget.—The annual budget for the Service, submitted by the Chief Engineer and approved by the Commissioner of the Interior and the Governor of Puerto Rico, amounted to \$635,020.02, and the total expenditures amounted to \$616,601.30, thus giving an available balance of \$18,418.72, as explained below:

| Detail | Budget | Expenditures | Balance Available |
|--|---|---|--------------------------------------|
| OPERATION AND MAINTENANCE: Irrigation System. Hydroelectric System General Administration. | \$27, 070. 00 58, 292. 00 41, 770. 00 | \$24, 307. 14 59, 805. 69 43, 636. 70 | \$2,762.86 —1,513.69 —1,866.70 |
| IMPROVEMENTS AND EXTENSIONS: Irrigation System Hydroelectric System General | 4, 003. 00 20, 000. 00 1, 200. 00 | 3, 805. 34 20, 039. 19 911. 22 | 194. 66 39. 19 288. 78 |
| Obligations | 459, 812. 50 | 459, 468. 73 | 343. 77 |
| Purchase of Tools, Machinery and Equipment | 3, 750. 00 | 2, 246. 88 | 1, 503. 12 |
| Contingencies | 19, 125. 52 | 2, 380. 41 | 16, 745. 11 |
| TOTAL 5. | \$635, 020. 02 | \$616, 601. 30 | \$18, 418. 72 |

Bond Indebtedness.—As detailed under this heading in our Balance Sheet the bond indebtedness of the Service at the end of the fiscal year amounted to \$3,275,000, which is \$300,000 less than previous year's figure, decomposed as follows:

| Operation Bonds: | | | | | |
|------------------------------|---------------|----|------|-----|-------|
| Series "A" to "T", 1952-71 | \$900,000 | at | 41/2 | per | cent. |
| Series "T" to "V", 1971-73 | 350, 000 | at | 5 | per | cent |
| | | | | | |
| | \$1, 250, 000 | | | | |
| Refunding Bonds: | | | | | |
| Series ''A'', 1935-1945-1974 | \$75,000 | at | 41/4 | per | cent |
| Series "B", 1936-1946-1975 | 75, 000 | at | 3 | per | cent |
| Series "C", 1937-1976 | 75, 000 | at | 31/2 | per | cent |
| | | | | | |
| | \$225,000 | | | | |

| Consolidation Bonds: | |
|---|---------------|
| P. R. 21/2 per cent Isabela Irrigation Consolidation Bonds, | |
| 1940-49 | \$2,625,000 |
| Less: Amortizations: | |
| January 1, 1940 \$25,000 | |
| January 1, 1941 200,000 | |
| January 1, 1942 300,000 | |
| January 1, 1943 300, 000 | |
| | 825, 000 |
| _ | \$1,800,000 |
| Total Bond Indebtedness | \$3, 275, 000 |

The actual disbursements during the year in connection with the amortization of bonds and interest thereon were as follows:

| | 1st Semester | 2nd. Semester |
|--|----------------------------------|----------------|
| Forth amortization of 2-1/2% Consolidation Bonds | \$300, 000. 00 59, 281. 25 | \$ 55, 531. 25 |
| Total | \$359, 281. 25 | \$55, 531. 25 |
| To defray this sum, funds were obtained from the following sources: | | |
| Proceeds of Special Tax of 1/10 of 1% on all real and personal property of the Island, as per Act No. 120, approved May 5, 1939 Transfer from Insular Treasury. | \$158, 000. 00 \$140, 000. 00 | \$240, 000. 00 |
| Total | \$298, 000. 00 | \$240, 000. 00 |
| DIFFERENCES | \$61, 281. 25 | \$184, 468. 75 |

In the first semester the proceeds from the Special Tax was not sufficient to cover the total amount due, and it was necessary to make a temporary transfer of funds from the Insular Treasury. The difference shown was defrayed out of the Service's funds.

In the second semester the proceeds of the Special Tax was in excess of the amount required for paying interest charges, and the resulting difference will be applied during the coming fiscal year to repay the temporary transfer referred to.

The sum of \$40,000 was also paid out of the Service's funds to reimburse, in part, the loan made by the Treasury Department on December 8, 1931.

It will be seen from the above figures that this Service contributed with the sum of \$56,000 for defraying the foregoing obligations.

Accounting.—During the year the following documents were issued, audited and registered in the general books of account:

457 disbursement vouchers,

102,865 credit vouchers (power, water and general bills), and 193 journal vouchers covering cash and general transactions.

The accounting exhibits appearing in this report, which are described below, show the financial condition of the Organization and the business results of the year under report.

Exhibit "A"—This statement shows the cash receipts and disbursements during the year pertaining to "General Fund". Cash receipts from all sources, including \$33,206.38 at the beginning of the year, amounted to \$912,182.05. The net cash disbursements amounted to \$688,770.30, thus leaving a cash balance with the Treasurer of Puerto Rico at the end of the year of \$223,411.75, of which the sum of \$6,880.20 covering vouchers payable in transit should be deducted, leaving a balance of cash available of \$216,531.55.

Exhibit "B"—This statement shows the condition of the Service at the end of the fiscal year.

The "Fixed Assets" were affected as follows:

| Transfer from "Deferred Assets" to Investment "Pow | ver Plant No. | |
|--|---------------|---------------|
| 2" of amount spent in its construction on previous | year | \$53, 410.88 |
| Construction works during Year: | | |
| Power Plant No. 2 | \$724.53 | |
| Irrigation System | 2, 232. 10 | |
| Hydroelectric System | 15, 427. 34 | |
| General | 911. 22 | 19, 295. 19 |
| - | | |
| | | \$72,706.07 |
| LESS: Value reimbursed of properties occupied by | | |
| Borinquen Air Base | 11, 027. 45 | |
| Property dismantled, etc | 518. 50 | 11, 545. 95 |
| - | | |
| Net Increase | | \$61, 160. 12 |
| | | |

Current Assets, if compared with previous year's figures, show an increase of more than \$217,000 due primarily to the great increase in cash account and in inventories of materials and supplies.

Available current assets cover in excess the current liabilities, leaving an available margin of over \$350,000.

Total of "Deferred Assets", if compared with last year's figure, show a decrease of more than \$35,000, which is explained principally by the transfer of amount corresponding to "Contruction of Power Plant No. 2" to proper investment account, and increase in expenditures pertaining to "Construction of Power Plant No. 3".

Total Assets show an increase of more than $$200,\!000$ over last year's figure.

The "Liability" side shows, in the first instance, a detail of the bond indebtedness and also other fixed obligations of the Service.

The bond indebtedness was reduced in the amount of \$300,000, which represents the fourth amortization of the $2\frac{1}{2}\%$ Consolidation Bonds.

The Insular Treasury Temporary Loans account shows an increase of \$100,000 over last year's figure, due to the new loan of \$140,000, less payment made of \$40,000 on the loan made on December 8, 1931.

Current Liabilities remained practically the same as previous year. Total Liabilities show a decrease of over \$200,000 if compared with last year's figure.

Exhibit "C" shows the operation and maintenance expenses, including the depreciation charges of the different features of the Organization, and interest charges on the bonded debt. This statement supports expense figures of the Income Statement, Exhibit "D".

The following statement shows a detailed distribution of the amounts appearing in said Exhibit "C", segregating depreciation charges during the year.

| Account | Direct Expense | Depreciation | Total |
|---|--|--|---|
| IRRIGATION SYSTEM: OPERATING EXPENSES: Guajataca Reservoir. Diversion Canal. Distribution System. | \$1, 443. 23 950. 21 11, 838. 59 | \$613.98 36.61 1,070.58 | \$829.28 913.60 10,768.01 |
| 220120101 | \$14, 232. 03 | 1, 721.17 | \$12, 510. 86 |
| MAINTENANCE EXPENSES: Guajataca Reservoir Diversion Canal Distribution System | \$358.48 2,887.64 8,557.26 | | \$358.48 2,887.64 8,557.26 |
| | \$11, 803.38 | | \$11, 803.38 |
| TOTAL, OPERATION AND MAINTENANCE | \$26, 035.41 | \$1,721.17 | \$24, 314. 24 |
| HIDROELECTRIC SYSTEM: OPERATING EXPENSES: Power Plant No. 1. Power Plant No. 2. Substations. Transmission Lines. Distribution System: | \$13, 618.34 10, 917.32 1, 517.83 7, 565.33 | \$1, 766. 71 4, 902. 80 1, 223. 15 6, 202. 26 | \$8, 851. 63 6, 014. 52 294. 68 1, 363. 07 |
| Primary Distribution Lines Secondary Distribution Lines Meter and Transformer Operation Lease of Municipal Distribution Systems Compensation to Municipalities Interconnections Purchase of Electric Energy | 2, 846. 68 34, 687. 76 3, 054. 27 3, 500. 00 11, 074. 55 125. 94 983. 97 | 517.83 15, 385.06 56.69 | 2, 328. 85 19, 302. 70 2, 97. 58 3, 500. 00 11, 074. 55 125. 94 983. 97 |
| | \$89, 891.99 | \$33, 054. 50 | \$56, 837.49 |
| MAINTENANCE EXPENSES: Power Plant No. 1. Power Plant No. 2. Substations. Transmission Lines. Distribution Lines: | \$442.54 201.29 111.12 260.44 | | \$442.54 201.29 111.12 260.44 |
| Primary Distribution Lines | 1, 809.48 1, 654.35 | | 1, 809.48 1, 654.35 |
| | \$4, 479.22 | | \$4, 479.22 |
| FOTAL, OPERATION AND MAINTENANCE | \$94, 371.21 | 333, 054. 50 | \$61, 316. 71 |
| GENERAL ADMINISTRATION: OPERATING EXPENSES: Main Headquarters Telephone Lines. Garage. General Warehouse Executive Division Accounting Division. General Expenses | \$2, 320, 23 823, 30 1, 828, 51 2, 840, 35 6, 090, 10 22, 845, 46 6, 453, 49 | \$2, 206. 74 354. 55 | \$113.49 468.75 1, 828.51 2, 840.35 9, 090.12 22, 845.46 5, 428.34 |
| MAINTENANCE EXPENSES: | | | |
| Main Headquarters. Telephone Lines. | \$1,396.89 487.10 | | \$1,396.89 487.10 |
| | 1, 883.99 | | \$1, 883. 99 |
| OTAL, OPERATION AND MAINTENANCE | \$48, 085.43 | (3, 586.44 | \$44, 498.99 |
| RAND TOTAL | \$168, 492.05 | \$38, 362.11 | \$130.129.94 |

Exhibit "D" shows all revenues and expenses, as well as the final result of operation for the year.

The gross sale of electric energy during the year amounted to \$259,324.56 which compared with last year's figure of \$269,244.81 shows a decrease of \$9,920.25. If the purchase of electric energy in the amount of \$19,775.55 during previous year from the interconnected system for resale is considered, it will be noted that the sale during the year under report has increased in a total of \$9,855.30, notwithstanding the present war emergency which makes it impossible to construct additional service lines, and furthermore, consumers cannot obtain electrical appliances, etc.; all of which has affected the natural development of our hydroelectric system.

The gross income of this Organization, exclusive of interest expense, amounted to \$531,181.08, and after deducting interest charges totalling \$125,238.68, leaves a net surplus for the year of \$405,942.40 against \$326,667.69 and \$228,846.39 for previous two years' operations.

This increased volume of business has been due primarily to the increase in the proceeds of the Special Tax of one-tenth of one per cent imposed upon all taxable property in the island, as per Act No. 120 of May 5, 1939.

The operating profit of the Irrigation and Hydroelectric Systems remained practically the same.

The net deficit at the end of the year amounted to \$564,360.67, which is \$411,752.96 less than the net total brought from last year's operations.

Exhibit "E" shows a detailed distribution of the cost of the different construction works, improvements and extensions carried out during the year and commented under Exhibit "B".

ORGANIZATION AND PERSONNEL

The organization of the Service at the end of the fiscal year 1942-43, with divisions and positions, is given below:

| Asst. File Clerk | Divisions and Positions | No. of Positions | Divisions and Positions | No. of Positions |
|--------------------------------|--|---|---|---|
| Clerk | Executive Division: | | Irrigation Division: | |
| Chief of Division | Clerk | - 1 1 | Asst: Civil Engineer Division Clerk. Clerks. Ditchriders. Overseer, Operation and Construction. | 1 1 2 9 |
| Chief of Division | PROPERTY & ACCOUNTS: | | Gate Tender and Canal Patrolman | 1 |
| Property Clerk | | 1 | | 32 |
| Town Patrolmen 1 Meter Tester. | Receiving Officer Special Disbursing Officer Clerk, Billing Clerks Clerk & Asst. Bookkeeper Telephone Operator Chauffeur-Mechanic Chauffeurs Truck Driver Messenger Watchmen | 1 1 10 10 1 1 3 1 1 3 2 | Chief of Division Electrical Engineer Assistant Electrical Engineers Division Clerk Clerks Chief Plant Operator Plant Operators Plant Operators (At Large) Oil rs Watchmen at Plants Overseer, Operation and Construction Asst. Line Foreman Linemen Assistant Lineman. | 50 1 1 2 1 3 3 1 6 6 2 2 6 2 1 1 1 5 |
| | | | Town Patrolmen Meter Tester | 10 1 33 |
| Substitution (Liverage) | | | Laborers (Average). | 78 |

SUMMARY

| | | Classification of Positions | | | | |
|--|-----------|-----------------------------|----------------------|---------------|-----------|---------------------|
| Division | Permanent | Tempo- rary | Skilled Laborers | Laborers | Vacancies | Total |
| Executive. Property & Accounts Irrigation. Hidroelectric | 16 | 2 | (1) 11 1 17 | 2 32 33 | 7 | 4 29 50 78 |
| Totals | 55 | 2 | 29 | 67 | 8 | . 161 |

CLASSIFICATION OF POSITIONS

| | Annua | al Sala | ries |
|--|---------|---------|---------|
| Chief Engineer | | | \$5,000 |
| Chief of Divisions | \$3,300 | to | 3,600 |
| Assistant Administrative Officers | 900 | to | 1,980 |
| Assistant Engineers (Civil Electrical) | 1,800 | to | 2,200 |
| Clerical Positions | 400 | to | 1,380 |
| Chief Plant Operator | | | 2, 200 |
| Plant Operators | 840 | to | 1,050 |
| Plant Oilers | | • | 600 |
| Line Foremen | | | 1,000 |
| Lineman | 600 | to · | 900 |
| Town Patrolmen and Collectors | 840 | to | 900 |
| Meter Tester | | | 900 |
| Overseers, Operation and Construction | 1,380 | to | 1,600 |
| Ditchriders and Gate Tender | 600 | to | 720 |
| Chauffeurs, Chauffeur-Mechanic and Mechanic-Blacksmith | 720 | to | 1,080 |
| Camp Watchmen, Messenger, Janitors and Gardeners | 450 | to | 480 |
| Skilled Laborers (Day Basis) | 1.65 | to | 10 |
| | | | a day |
| Unskilled Laborers | 15 cent | s to | |
| | 40 cent | s per | hour. |

135

CIVIL SERVICE

During the year there were made no appointments. Three employees resigned their positions, all of which had permanent appointments. Two employees were promoted and salaries were increased.

The Organization was composed at the end of the year of 161 positions, classified as follows:

| With permanent appointments With temporary appointments authorized by the Civil Serv- | 55 |
|---|-----|
| vice Commission | 2 |
| Skilled Laborers | 29 |
| Laborers | 67 |
| Vacancies | 8 |
| | |
| Total positions | 161 |

The fifty-five permanent employees are classified as follows considering their status as members of the Savings and Loan Fund Association of the Employees of the Insular Government of Puerto Rico:

| Full members of the first category | 11 |
|--|----|
| Full members of the second category | 20 |
| Members accepted for savings only on account of being over | |
| 50 years old | 6 |
| Members accepted for savings only, due to other causes | 2 |
| Members enjoying benefits of savings only | 16 |
| | |
| Total Permanent Employees | 55 |

During the year there were granted three hundred and fourteen leaves of absence, classified as follows:

| 303 | Vacation | leaves | covering | 1,040 | days |
|-----|-----------|--------|----------|------------------|------|
| 11 | Sick leav | 7es | | $149\frac{1}{2}$ | days |
| | | | | | |
| | | | | 1, 1891/2 | days |

GENERAL FILES

The employees in charge of the file section attend to the incoming and outgoing mail of the Organization. All mail pieces received are time stamped, recorded, referred to proper officials for attention and finally filed.

During the year there were received 6,953 pieces of assorted mail and 1,645 letters were mailed, as follows: 760 originated by the Service and 885 written in reply to communications received.

All valuables, including checks, money orders, cash, etc., are also received by said employees, who issue daily reports to cover same. These reports, together with the corresponding valuables, are delivered to the Receiving Officer, in the case of collections, and to the Special Disbursing Officer, when checks are received from the Treasury Department in payment of disbursement vouchers issued and authorized by the Service.

There were issued 523 of said reports during the year, 435 covering collections and 88 covering checks to be delivered to creditors of the Service.

The file room issued also weekly bulletins covering letters, documents, etc., not returned to files by the corresponding officials.

137

LEGISLATION

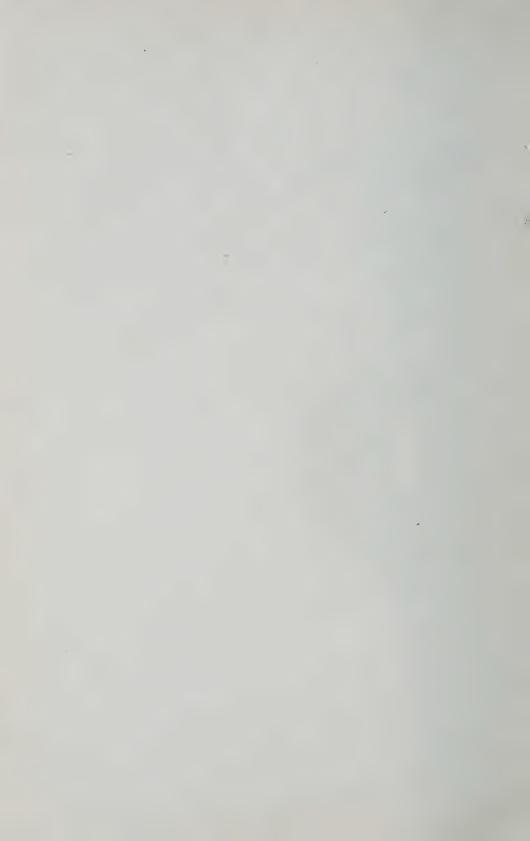
The 15th Legislature of Puerto Rico, in its regular session of the year 1943, passed one bill which was approved by The Honorable, The Governor of Puerto Rico on May 10, 1943, and converted into the following act:

Act No. 58.—To appropriate the sum of twenty thousand (20,000) dollars from the funds of the Treasury of Puerto Rico, in order to continue irrigation and hydroelectric surveys in the district included between the Guajataca River, on the west, and the municipal boundary between Hatillo and Arecibo, on the east, including the irrigable lands in the municipalities of Hatillo, Camuy, and Quebradillas, and for other purposes.

138

INDEX

| | Pages |
|---|---------|
| Tables and Diagrams of the Hydroelectric System—(Tablas y Diagramas del Sistema Hidroeléctrico)———————————————————————————————————— | 157–180 |
| Tables and Exhibits of the Division of Property and Accounts (Tablas y Anexos de la División de Propiedad y Cuentas) | 181-200 |
| War Emergency Program | 201-202 |
| Service of Claims, Advice and Legal Assistance | 203-205 |
| Insular Sewerage Service | 206–207 |



TABLES AND DIAGRAMS

OF THE

IRRIGATION SYSTEM

TABLAS Y DIAGRAMAS

DEL

SISTEMA DEL RIEGO

IRRIGATION SYSTEM TABLE NO. I

MONTHLY RAINFALL IN INCHES AT THE ISABELA IRRIGATION DISTRICT AND NEIGHBORING STATIONS

SISTEMA DE RIEGO TABLA NO. I

ZONA DEL BIEGO DE ISABELA Y ZONAS CONTIGUAS

| | | | Mean (9) | | 0 | Prom. (9) | 9.98 11.57 9.81 8.07 5.31 2.43 | 2.37 2.53 4.07 5.10 13,08 11.60 | 85.92 |
|--|-----------------------------------|----------------------------|-------------|------------------------------|---------------------------|-----------|---|--|-----------------|
| Care Care | NEIBHORING STATIONS | Coloso | Month | TIGUAS | Coloso | Mes | 10. 63 13. 50 13. 99 7. 26 4. 93 1. 83 | 2.10 4.55 2.88 7.79 8.52 10.94 | 88.92 |
| | SHOKING | lillas | Mean (8) | ZONAS CONTIGUAS | dillas | Prom. (8) | 4. 26 4. 99 5. 32 6. 89 4. 65 | 3.51 2.95 2.90 3.72 8.22 4.49 | 57.51 |
| IGUAS | NED | Quebradillas | Month | Zo | Quebradillas | Mes. | 8.28 4.28 4.47 6.48 10.44 5.44 | 3.47 1.64 1.73 6.82 8.89 4.11 | 09 66.05 57 |
| LLUVIA MENSUAL EN PULGADAS EN LA ZONA DEL RIEGO DE ISABELA Y ZUNAS CONTIGUAS | | No. 1 | Mean (7) | | No. 1 | Prom. | 4.61 5.84 7.08 7.32 3.16 | 3.64 3.37 3.58 4.84 4.84 8.21 5.76 | 63.09 |
| ZONAS | | Plant No. 1 | Month | | Central No. 1 | Mes | 7.06 4.98 2.65 11.41 9.45 4.22 | 3.17 2.09 2.09 8.45 4.32 4.32 | 68.31 |
| ELA Y | | tion | Mean (6) | 0 | nsular | Prom. (6) | 5.47 6.97 7.13 7.43 6.66 | 3.60 3.09 3.72 4.28 5.87 7.83 | 70.18 |
| E ISAB | FRICT | Experimental Substation | Month | REGADÍ | Granja Insular Isabela | Mes | 86.53 6.88 9.67 4.59 | 4.21 3.62 1.59 10.77 8.56 3.65 | 76.72 |
| EGO D | RRIGATION DISTRICT | Jamp lilla | Mean (5) | DISRIITO DE REGADÍO | Calero | Prom. (5) | 4.84 7.04 66.60 6.59 5.33 3.27 | 22.72 23.60 33.60 8.72 6.75 | 61.68 |
| DEL RI | IRRIGAT | Calero Camp Aguadilla | Month | DISI | Camp, Calero Aguadilla | Mes | 8. 42 7. 02 7. 26 8. 37 9. 56 4. 58 | 3.11 2.10 10.58 7.83 3.81 | 76.72 |
| ZONA | | amp | Mean (4) | | Mora | Prom. (4) | 4.84 6.04 6.80 6.40 7.09 | 3.25 3.19 3.39 4.01 8.65 6.72 | 64.35 |
| EN LA | | Mora Camp Isabela | Month | | Camp. Mora Isabela | Mes | 7.66 4.86 4.82 8.03 8.56 4.39 | 3.66 2.62 1.99 7.06 8.89 2.92 | 65.46 |
| ADAS | JIR | п | Mean (3) | | 8 | Prem. (3) | 5.91 8.21 9.56 8.60 6.97 4.50 | 3.19 3.47 3.98 5.80 10.63 8.47 | 79.29 |
| PULG. | RESERVO | Dam | Month | AJATACA | Presa | Mes | 10.38 5.10 11.85 9.60 12.80 | 2.60 3.63 1.68 8.22 5.42 6.61 | 80.74 |
| TAL EN | JATACA] | Soller | Mean (2) | ANO GU | Soller | Prom. (2) | 8. 63 10. 95 10. 20 11. 88 9. 66 2. 48 | 3.63 4.28 3.93 7.06 12.99 8.94 | 94.63 |
| MENSI | REA GUA | Central Soller | Month | EL PANT | Central | Mes | 10.10 4.55 13.55 19.95 13.40 2.35 | 2.86 6.85 13.73 10.20 6.55 | 111.13 |
| LUVIA | DRAINAGE AREA GUAJATACA RESERVOIR | | Mean (1) | CUENCA DEL PANTANO GUAJATACA | Lares | Prom. (1) | 8.10 10.34 11.97 12.22 8.36 4.42 | 2.83 3.34 4.43 8.60 14.20 9.40 | 98.32 |
| L | DRAI | Lares | Month | 15 | | Mes | 9.92 12.11 13.37 20.41 12.66 1.47 | 2. 49 4. 45 2. 28 11. 41 10. 62 | 112.62 |
| | | Month | | | ; | Mes | 1942 August. September October. November. | 1913 January February March April May | TOTALS |

(1) Promedio de 38 años (2) Promedio de 7 años (3) Promedio de 21 años (4) Promedio de 14 años (6) Promedio de 15 años (7) Promedio de 14 años (7) Promedio de 14 años (8) Promedio de 18 años (9) Pro

(1) Mean of 38 years (2) Mean of 7 years (3) Mean of 19 years (4) Mean of 14 years (5) Mean of 15 years (6) Mean of 15 years (7) Mean of 7 years (8) Mean of 19 years (9) Mean of 13 years

TABLE NO. II

GUAJATACA RESERVOIR WATER STORED, DIVERTED AND WASTED TO SEA

SISTEMA DE RIEGO

TABLA NO. II

EMBALSE GUAJATACA AGUAS ALMACENADAS, TRANSVA-SADAS Y DERRAMADAS AL MAR

| | | ACRE - | FEET | |
|--|---|--|--|--|
| FISCAL YEAR | Run-off | Diverted | Wasted to sea | Available on June 30 |
| | | ACRE - | PIES | |
| AÑO FISCAL | Aportados | Derivados | Derramados al mar | Disponibles en Junio 30 |
| 27-28 28-29 29-30 30-31 31-32 32-33 33-34 34-35 35-36 36-37 37-38 38-39 39-40 40-41 | 98, 467 61, 074 69, 339 55, 759 101, 784 62, 794 80, 022 97, 859 53, 148 72, 929 72, 033 76, 178 | 57, 215 62, 074 47, 739 61, 439 64, 476 68, 034 59, 712 69, 354 68, 992 65, 619 69, 881 76, 148 77, 718 82, 886 | 49, 332 0 0 38,0 33, 766 0,075 28, 380 1, 506 | 11, 98 3, 90 2, 90 24, 50 18, 44 21, 98 16, 74 30, 27 31, 10 13, 75 21, 06 20, 39 19, 42 16, 42 18, 80 |

Table III

WATER SOLD, DELIVERED AND RELINQUISHED UNDER

SISTEMA DE RIEGO

TABLA NO. 111

AGUA VENDIDA, ENTREGADA Y CADUCADA DE
ACUERDO CON TERMINOS DE LA LEY NO. 178,

| 0. 178, | | Balance | | Balance | 16.18 | 15.38 | 1.82 | 33, 38 |
|--|---------------------|--------------------|---------------------|-------------------------------------|---|--|--|-----------------|
| A LEY N 1941 | Relin- | quished A. F. | | Cadu- cada A. F. | 26.00 | 10. 21 | 2. 50 | 38. 71 |
| AYO 14, | | Total | | Total | 108.39 | 80.95 | 17. 28 | 206.62 |
| EKMINC A EN M. | Acre-Feet | Tole- rances | Acre-Pies | Tole- rancias | +0.17 | -0.02 | +-0.02 | +0.17 |
| DO CON TERMINOS DE L. APROBADA EN MAYO 14, | Delivered Acre-Feet | By | Entregada Acre-Pies | Bom- beada | | - : : : | | |
| ACUERDO CON TERMINOS DE LA LEY NO. 178, APROBADA EN MAYO 14, 1941 | | By | | Por | 108.22 | | 17. 26 | 206.45 |
| | | Total Value | | Importe | 137.80 | 241.25 80.97 | 47.00 | 426.05 |
| | | Unit | | Precio | \$2.00 | 2.50 | 2.50 | |
| | 4 mount | Sold A. F. | | Cantidad dad vendida A. P. | 18. 00 | 96. 50 | 68.80 | 184. 20 |
| | | Orders | | Ordenes expedi- das | 20 | 67 96.50 | 20 | 137 |
| ROVED | | Balance 1941–42 | | Balance 1941-42 | 81.67 | 10.04 | 2.80 | 94. 51 |
| THE TERMS OF ACT No. 178 APPROVED MAY 14, 1941 | | Clasification | | Classificación | PARCELS INCLUDED PREDIOS INCLUDOS Y AND QUOTA PAID: COOTA SATISFECHA: By Gravity Por Gravedad. Mantilla Pump Bomba Mantilla Guerrero Pump Bomba Guerrero. | PARCELS INCLUDED AND PREDIOS INCLUDIOS Y QUOTA NOT PAID: CUOTA NO SATISFECHA: BY GRAVILLS POR GRAVED MAINTILL PUMP, Bomba Manitilla Guerrero Pump, Bomba Guerrero. | PARCELS NOT PREDIOS NO INCLUDES: BY GRAVITY POT GRAVED MARITILE HUMP BOMPS MARITILE GUETTERO PUMP. | TOTALS(TOTALES) |

4.50 43. 30

184. 20

June....

Totals (Totales)...

33. 75

206.45

SISTEMA DE RIEGO

TABLE No. IV

TABLA NO. IV

SALES OF IRRIGATION WATER UNDER VENTAS DE AGUA PARA FINES DE RIE. THE TERMS OF ACT No. 178 APPROVED MAY 14, 1941

GO DE ACUERDO CON LOS TERMINOS DE LA LEY No. 178 APROBADA EN MAYO 14, 1941

40

38.71

33. 38

33.38

Delivery Acre-Feet Balance Relin-Amount Sold to Credit of Water quished Month Tole-Actual Users Acre-Feet By Ву Acre-Feet Gravity Pumps rances Delivery Acre-Feet Entrega Acre-Pies Balance a Caducada Mes Cantidad Acre-pies Favor del Vendida Por Por Tole-Entrega Agricultor Acre-Pies Gravedad Bombas rancias Neta Acre-Pies 1942 June July August September 94.51 15. 90 35. 72 4. 49 0.17 35.89 7.91 66.61 64. 67 45. 12 17. 58 5.60 4.49 3.05 14.38 6.20 0.0214.40 11.35 October..... November.... . 60 18. 48 2. 50 6. 18 0 01 18. 49 2. 51 9.65 0.01 1.63 15.64 0.03 6. 15 1, 26 December..... 8. 23 1943 January
February
March
April
May 7.20 6.47 0.05 6.52 2.97 5. 94 4. 87 11. 90 75. 10 11. 70 12. 76 51. 75 12. 16 7. 81 12. 77 51. 75 12. 12 7. 81 0.01 . 20 27. 82 27. 11 23. 80

0.04

0.03

0.17

33. 72

206.62

TABLE No. IV-A

SISTEMA DE RIEGO

TABLA NO. IV-A

ALLOTMENT WATER SERVED UNDER TERMS OF ACT NO. 178 APROVED ON MAY 14, 1941 SERVICIO DE AGUA POR DOTACION CONFORME A LOS TERMINOS DE LA LEY NO. 178 APRO-BADA EN MAYO 14, 1941

| | | Delive | ery in Acre | -Feet | Offered | Excess | Balance to Credit of |
|---------------------------------------|------------------------|--|--|--|--|--------------------------|---|
| Month | Allotment Acre-Feet | By Gravity | By Pumps | Total | but not Used | Delivery to Deduct | Water Users Acre-Feet |
| | | Entre | ega en Acr | e-Pies | Ofrecida | Exceso | Balance a |
| Mes | Dotación Acre-Pies | Por Gravedad | Por Bombas | Total | pero no Usada | Deducir | Favor del Agricultor Acre-Pies |
| June 30 July | 678. 80 678. 80 | 421, 20 213, 68 130, 60 34, 00 38, 70 36, 44 | 112. 72 3. 04 | 421. 20 326. 40 133. 64 34. 00 38. 70 36. 44 | 404. 66 352. 40 545. 16 644. 80 640. 10 642. 36 | | 147. 06 404. 66 756. 06 1, 302. 22 1, 947. 02 2, 587. 12 3, 229. 48 |
| January February March April May June | 678. 80 678. 80 | 143. 53 142. 94 244. 04 110. 20 128. 29 517. 73 | 17. 26 30. 63 94. 29 . 83 - 8. 82 7. 19 | 160. 79 173. 57 338. 33 111. 03 137. 11 524. 92 | 518. 01 505. 23 340. 47 567. 77 541. 69 120. 19 | | 3, 747. 49 4, 252. 72 4, 593. 19 5, 160. 96 5, 702. 65 5, 856. 54 |
| Totals (Totales) | 8, 145. 61 | 2, 161. 35 | 224. 78 | 2, 436. 13 | 5, 822. 84 | | 33, 70 |

Allotment waters not used during the year are relinquished on June 30. Aguas de dotación no usadas durante el año caducan en junio °0.

SISTEMA DE RIEGO

TABLE NO. V

TABLA NO. V

SOUTH VALLEY PUMPING UNITS OPERATING DATA

UNCIONAMIENTO DE LAS ESTACIONES DE BOMBEO DEL VALLE DEL SUR

| | | PUI | MP |
|---|--|---|---|
| FAC | CTORS | Mantilla | Guerrero |
| | | BOM | IBA |
| FAC | TORES | Mantilla | Guerrero |
| MANUFACTURER'S RATING: | Datos de Fabrica | | |
| Pump: Bo Type T | omba: Pipo | Centrifugal | Centrifugal |
| Capacity: C G. P. M. C C. F. S. Head (ft.). C Flectric Motor: M. Type. | Capacidad: G. P. M P. C. S. Aurga Hidrostática (Pies) votor Eléctrico: T po Caballos de Fuerza L. P. M. | 1, 100 2. 5 57. 4 Induction Inducción 20. | Centrifuga 3,600 8.0 88.0 Induction Inducción 100.0 |
| | Resultados Practicos: | 1, 740. | 1, 750. |
| Maximum obtained (C.F.S.) Mean (C.F.S.) Total (Acre-Peet). Time Worked (Hou:s). Thead (Feet). Cwater Horse Power. Consumption (K. W. Hrs.). Consumption (K. W.). Consumption (H. P.). | Caudal: Maximo obtenido (P.C.S.). Promedio (P.C.S.). Total (Acre-Pies). Cliempo Trabajado (Horas). Carga Hidrostática (Pies). Rendimiento (C. de F.). Consumo (K. V. Hrs.). Consumo (K. V.) Consumo (C. de F.). Chíciencia (\$). | 2. 00 1. 99 34. 29 208. 00 56. 20 12. 70 3, 102. 00 14. 94 20. 02 63. 00 | 5. 10 3. 04 261. 16 755. 87. 50 32. 29 65, 040. 86. 14 115. 43 36. |

TOTALS FOR THE TWO UNITS:

TOTALES PARA LAS DOS UNIDADES:

TABLE NO. VI

LAWS PROVIDING METHOD OF DETERMINING IRRIGATION TAXES LEVIED

| | | 5/14/41 | Suspending until June 30, 1951, section No. 29 of the Isabela Public Irrigation Law, as amended afterwards, and establishing during said period of suspension a plan whi in provides for the levying of a water as follows: Suspension a plan whi hyprovides for the levying of a water as follows: Suspension and sales of water as follows: Suspension to purchase water included, \$1.00 per acre per year for the first to purchase water included, \$1.00 per acre per year for the first 10 acres included, \$1.00 per acre per year for the first 10 acres with the water der dotation of 1½ acre-foot per acre per year for all excess above first 10 acres with the water first 10 acres with the water for dead. Price of water; \$2.00 per acre for year and the right to pu chase water if needed. Price of water; \$2.00 per acre-foot to plots with quotas unpaid. |
|--|------------|---------------|---|
| DEVIED | SPECIAL | 146 5/15/37 | Readjusting the in- debtedness of the wa- ter users accumula- ted up to June 30, 1936, in such a way as to cancell the same if payment in advan- ce be made for the amount of \$1.00 per acre per year plus the value of the water de- livered to the farm for the benefit to the land calculated at the rate of \$1.00 per acre- foot. |
| LAWS PROVIDING METHOD OF DETERMINING IRRIGATION TAKES DEVIED | | 78 5/12/36 | Suspending until June 30, 1941 section No. 29 of the Isabela Public Irrigation Law as was afferwards amended and establishing during said suspension the Optional I-fan which provides the Seiling and directs the seiling of water at the rate of \$2.00 per acre-foot to the tracts for which said quota has been paid and at \$2.80 to tracts for which said quota has not been paid. |
| JETEKMINING | | 70 5/15/34 | 18t. Yr.—Nothing 2nd, Yr.—6 00 3rd, Yr.—6 00 3rd, Yr.—6 00 5rd, Yr.—8 00 7rd, Yr.—8 00 7rd, Yr.—9 00 10th, Yr.—6 00 9th, Yr.—6 00 11th, Yr.—6 00 11th, Yr.—10 00 11th, Yr.—11 00 11th, Yr.—11 00 11th, Yr.—11 10 11th, Yr.—11 |
| METHOD OF 1 | TORY | 96 5/15/31 | 18t. Yr.—Nothing 2nd. Yr.—86.00 3rd. Yr.—86.00 5th. Yr.—7.00 5th. Yr.—7.00 7th. Yr.—9.00 7th. Yr.—15.00 Not over \$45.00 |
| WS FRUVIDING | AMENDATORY | J. R. No. 12 | 1st. Yr.—Nothing 2nd. Yr.— 86. 3nd. Yr.— 1s. 00. 5th. Yr.— 1s. 00. 5th. Yr.— 1s. 00. 5th. Yr.— 1s. 00. Not over \$15. 00 |
| LA | | 29 4/21/28 | Temporary District 1st. YrNothing Succeeding Years—\$10.00 Permanent District 1st. three years—Not over \$12.00 Succeeding Years—Not over \$17.00 |
| | ORIGINAL | 63/19/19 | Temporary District Succeeding Years— Not ov r 81. (0 Permanent District Ist. Semest Not over \$12.00 Succeeding Years— Assessment as per tax-roll |

METHOD OF DETERMINING THE TAX ROLL PROVIDED BY VIRTUE OF ACT NO. 63 AND AMENDATORY LAWS:—Adding the amortization, interest and operation and maintenance expenses; adding or subtracting the deficit or superavit of the previous year; subtracting the receipts from the hydroelectric plant less the amount deduced for the development and extremes most less amount evaluates, and adding 2% of this total as margin of safety on delay collections; and the amount resulting distributed proportionally between the different acres under tringation. Joint Resolution No. 12 and acts No. 96 and 70 provided the necessar, atrangements to cover the annual deficil resulting between this tax roll and the maxim quota provided by said laws.

SISTEMA DE RIEGO

TABLA No. VII

INCOME

INGRESOS DEL SISTEMA DEL RIEGO

| | | Sales of Water | | | | | | | | | | | |
|--|--|--|--|--|---|--|--|--|--|--|--|--|--|
| Period | Y For Irrigati (P ₇₈ of M 12, 193 | o. Act. No. ay 178 of May | For Water- works, Residences and Indus- trial Users | s Total | Income | | | | | | | | |
| | | Ventas de A | Agua . | , | | | | | | | | | |
| Período | Para Riego (Pey No. le mayo 1936 | Para Riego 78 Ley No. 178 de mayo 14, 1941 | Para Acueductos y fines Domésticos e Industriales | Total | Total Ingresos | | | | | | | | |
| 1st. (1°) 1st. (1°) 1st. (1°) 1st. (1°) 1st. (1°) 1st. (1°) | 1928 1929 1930 1931 1931 1933 | | \$3.00 19.51 37.83 22.61 49.74 | \$ 6.25 702.71 19.51 55.92 32.97 49.74 | \$306, 57 19, 614, 58 6, 896, 38 12, 252, 73 386, 50 834, 63 | | | | | | | | |
| 2nd. (2°) 2nd. (2°) | 193 | | 52.35 47.66 | $61.35 \\ 261.10$ | 43, 249. 64 35, 855. 96 | | | | | | | | |
| 3rd. (3°) 3rd. (3°) 3rd. (3°) 3rd. (3°) 3rd. (3°) | 193 16, 475.9 193 20, 555.8 193 5, 902.1 193 4, 092.6 194 4, 678.6 | 7 | 174, 15 745, 73 1, 034, 95 2, 454, 03 2, 700, 03 | 16, 650, 13 21, 301, 59 6, 937, 12 6, 546, 63 7, 378, 68 | 53, 652, 11 38, 080, 90 23, 603, 46 38, 209, 92 27, 951, 89 | | | | | | | | |
| 4th. (4°) | 194 · · · · · · | \$1,709.45 | 8, 086. 73 13, 875. 36 | 9, 796. 18 | 33, 451. 65 | | | | | | | | |
| 4th. (4°) | 194 | | | 14, 301. 41 | 34, 606.17 | | | | | | | | |
| Totals | (T 51, 705.2 | 6 \$2, 135. 50 | 29, 303.68 | \$84, 101.29 | \$368, 953.09 | | | | | | | | |

TABLE NO. VII

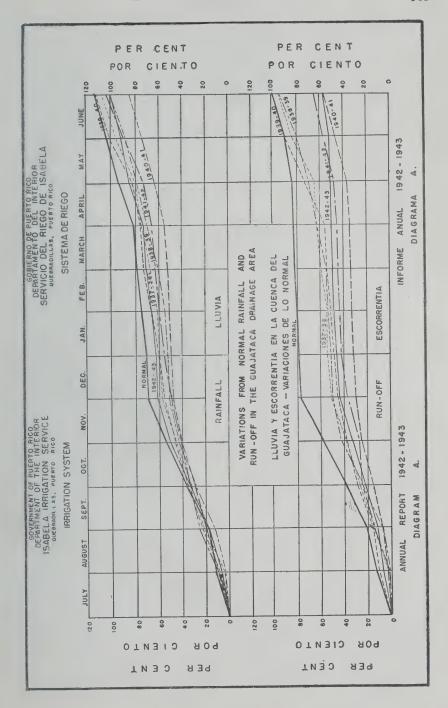
INCOME FROM THE IRRIGATION SYSTEM

SISTEMA DE RIEGO

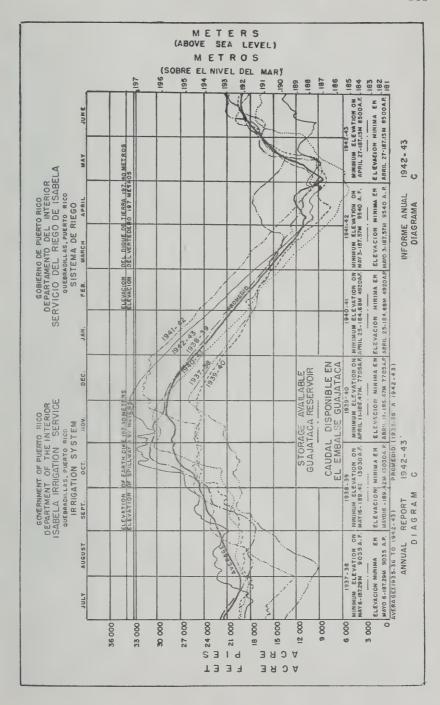
TABLA No. VII

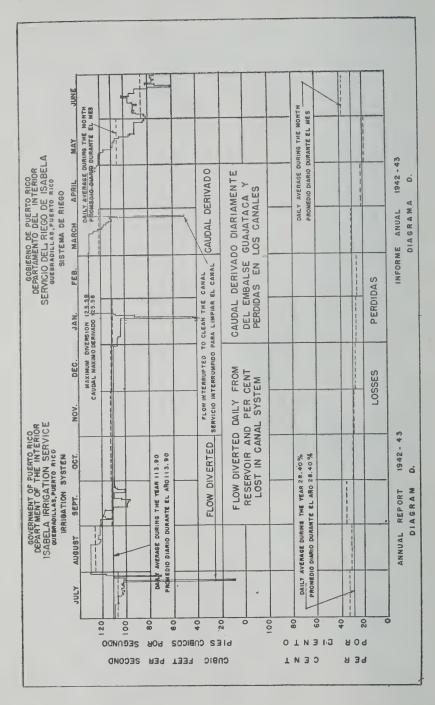
INGRESOS DEL SISTEMA DEL RIEGO

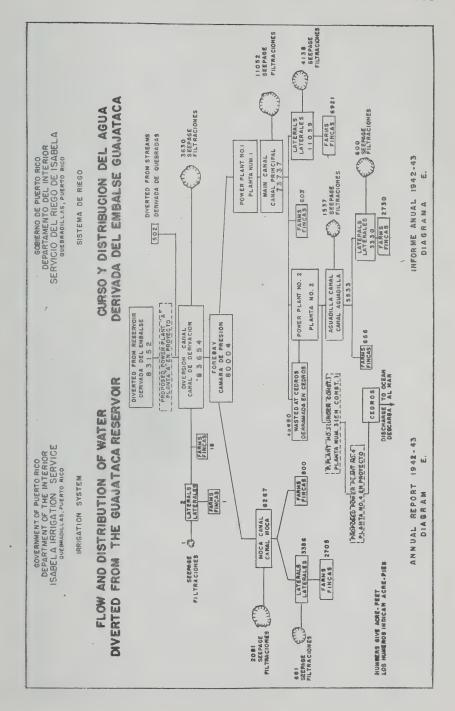
| | | | | | | A 9909 | sments | | | | | | | Sales of W | ater | | |
|---|--|--------------------------------------|--|---|-----------------------------------|---|-------------------|--------------------------|---|--|---|------------------------------------|---|---|--|---|---|
| | | Lev | ted | | | | Coll | ecteri | | | | | | | For | | |
| Pariod | Year (Part) | Per Acre | T dal For Entere | Period | As L | evied Period | P | As | As In a rel | As Surcharges | Total | Surplus Water For | For Irrigation Act No. 78 of May | For Irrigation Act. No. 178 of May | Water- | Total | Income |
| | | | | 1 01100 | Period | | oueiones | | | | | | | Ventas de A | Agua | | |
| | | Impt | iestas _ | | | | Cobra | las | | | | | | | Para | | |
| Periodo | Año (Parte) | Por Acre | Total Para el Distrito | Primer Periodo | Segundo Periodo | Tercer Periodo | Cuarto Pertodo | Diferidas | Reajusta- | Recarg :- e Intereses | Total | Excedente Para Riego | Para Riego Ley No. 78 de mayo 12, 1936 | Riego Ley No 178 de mayo 14, | Acueductos y fines Domésticos | Total | Total Ingresos |
| Ist. (1°) Ist. (1°) Ist. (1°) Ist. (1°) Ist. (1°) Ist. (1°) | 1928-29 1929-30 1930-31 1931-32 1932-33 1933-34 | 6 00 6 00 7 00 8 00 | | \$300 32 18,911 87 6,301 10 11, 186 17 325 80 737 03 | | | | | | \$575 77 1, 010 64 27 73 47 86 | \$300 32 18, 911 87 6, 876 87 12, 196 81 353 53 784 89 | \$6 25 699.71 18 09 10 36 | | | \$3 00 19.51 37 ×3 22 61 49.74 | \$ 6.25 702.71 19 51 55.92 32 97 49.74 | \$306.57 19,614.58 6,896.38 12,252.73 386.50 834.63 |
| 2nd. (2°) 2nd. (2°) | 1934 -35 193536 | 6.00 6.00 | 72, 669 44 66, 523 62 | | \$34,691 38 27,341 65 | | | \$5, 325 02 5, 406 46 | | 3, 171 89 2, 846 75 | 43, 1% 29 35, 594 86 | 9 00 213 44 | | | 52.35 47.66 | 61 35 261 10 | 43, 249. 64 35, 855. 96 |
| 3rd. (3°) 3rd. (3°) 3rd. (3°) 3rd. (3°) 3rd. (3°) | 1936-37 1937-38 1938-39 1939-40 1940-41 | 1 00 1 00 1 00 1 00 1 00 | 10, 846 26 9, 821 61 9, 693 66 9, 693 45 9, 693 70 | | 16, 616 17 570 09 1, 975 69 | \$6, 162 14 5, 358 29 5, 889 70 10, 536 90 12, 610 42 | | 5, 661 34 4, 404 88 | \$3, 669 69 8, 657 03 20, 634 68 7, 280 61 | 5, 562 33 2, 776 36 143 92 491 71 682 18 | 37, 001 98 16, 779 31 16, 666 34 31, 663, 29 20, 573 21 | | \$16, 475 98 20, 555 86 5, 902 17 4, 092 60 4, 678 65 | | 174.15 745.73 1,034.95 2,454.03 2,700.03 | 16, 650 13 21, 301, 59 6, 937 12 6, 546 63 7, 378, 68 | 53, 652, 11 38, 080, 90 23, 603, 46 38, 209, 92 27, 951, 89 |
| | 1941-42 | (1.00) (4.00) | | | | | \$21, 403 63 | | 2, 075 83 | 176 01 | 23, 655 47 | | | \$1,709.45 | 8, 086.73 | 9, 796. 18 | 33, 451. 65 |
| 4th. (4°). | 1942- 43 | (1 00) | 25, 985. 14 | | | | 19, 477 97 | | 502 34 | 324 45 | 20, 304 76 | | | 426 05 | 13, 875. 36 | 14, 301.41 | 34, 606.17 |
| | 1 | | | 90 NO 00 | ** 1 * | ×4 = 1 | \$10 ×× ×× | 10000 | \$1_ ×_ × | v = v · v | S2 S1 S1 S | \$27 85 | 81 7 1 26 | 82 (0.5.5) | 20.00 | \$84 [0] 29 | \$368, 953, 09 |

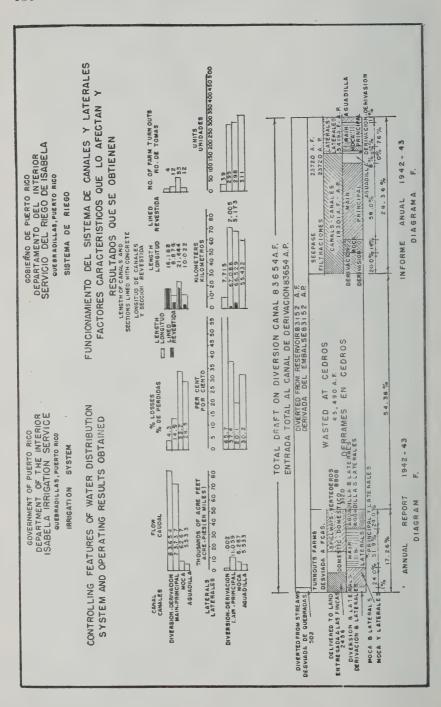


| | | | | 11111 | W.r. Juill | | Alle S | | 77 | | | | 3 400 | |
|---|---|--|----------|---------|-------------------------|----------|--------|---|-----------|--------|---|-----|--|-----------|
| | | | PROMEDIO | | | | | | 1: | 0 | | | SEPT. SEPT. SEPT. SEC. MAN. MAN. MAN. MAN. MAN. MAN. MAN. MAN | 1925-26 |
| | | | N N | 97.839 | | | | | 1935 - 36 | 64,408 | | | DE C. | 82 |
| | | | 35 | 6 | = | + | | | 193 | | T | | 730 | - |
| | | | | | | 1 | | | | | | | AUG. | |
| | 2 500 | W & | | + | + | B | 11.11. | 110 111 | | | | | 3.00% | Н |
| | ACRE FEET RUN-OFF INTO THE GUARACA RESERVOR CORAINASE CAUGAL SO, MICE APORTA CAUGALANCES OUE APORTA CAUGALANCA OF STATEMENTANG SAMILARS | NUMBERSGIVE TOTAL RUN-OFFFOR THE LOS NUMEROS MOICAN EL TOTAL DE . ESCORRENTA DURANTE EL ARO | | | | | | | 2 | | | | SEPT. SEPT. OCT. NOV. DEC. DEC. NAU. NAU. NAN. NAN. NAN. NAN. NAN. NAN | 10 |
| | ACRE FEET RUN-OFF INTO THE NATACA RESERVOIR (DRAINA AREA 25 SO, MILES) NUOBL EN AERE-PIES OUE APOR CUURCA TAIRVITARIA | 207. | | 80,022 | | \pm | | | 1934 - 35 | 55,699 | | | .MAL | 1924 - 25 |
| | S S S S S S S S S S S S S S S S S S S | 0 7 7 | | 0 | | \vdash | | | 3.4 | 88 | | | 'AON | 9.5 |
| | 25 SEE 18 18 18 18 18 18 18 18 18 18 18 18 18 | S 8 8 | | | | | | 271 | - | | _ | 1 | SEPT | - |
| | N S 7 8 8 8 7 8 8 8 7 8 8 8 7 8 | AR AR | | | _ | | | | - | | | -41 | 1054 | Ш |
| 4 | S S S S S S S S S S S S S S S S S S S | YEAR INDIC | | \Box | 1 | | | | | - | ÷ | | YAM | |
| ៥៳ | 25 P. | ROS | | - | | | | | 3.4 | 0 | | | HAM. | 2.4 |
| SASB | TE FEET RUN.OFF INT AARGA 25 SQ. MILES) ALE EN AGRE-PIES OUE O GOLALATACA Y SUS TRA | SGN | | 62,794 | | | | | 1933-34 | 70,360 | | | SEPT SEPT OCT OCT NOV DEC. DEC. DEC. AMPR. APR. APR. APR. | 1923-24 |
| 2 H - E | A A A A A A A A A A A A A A A A A A A | SCC | | 62 | | | | MILE COL | - 0 | 5 | | 1 | .130 WOM | 0 |
| T D D | TO OF THE PERSON NAMED IN COLUMN TO | 103 | | \Box | | | | | 3000 | | | 1 | - SUG | |
| E USO | HHI | | | | | | 1777.2 | | 1 | | | - | BNUC | |
| SUBLEMB DE PUERTO RICO DEPARTAMENTO DEL INTERIOR SERVICIO DEL RICGO DE ISABELA QUEGRADILLAS, PUERTO RICO SISTEMA DE RIEGO | 90 | | r:E | | | | 720 | | 33 | - | 1 | | MANA MANA MANA MANA MANA MANA MANA MANA | 100 |
| GOBIETAND DE POEM 10 NICO PARTAMENTO DEL INTERI IGO DEL RIEGO DE ISA IEDRADILLAS, PUENTO RIGO SISTEMA DE RIEGO | 8 | | 1 | 101,784 | | | | | 2 · | 7.3 | | 1 | . MAL | 1922 - 23 |
| AMI | | | 1942 | 5 | | | N.S. | | 1932 | 17,17 | | 1 | MON | 22 |
| RT O | | | == | | All all | | 11/1 | | - 5 | É | | | 1438 130 | 2 |
| 2 4 5 m | | | | 11 | | - | | | | | | - | 1701 | Ш |
| S S | | | | \Box | | 1 | - | The state | 2000 | | | | YAM. | |
| S | | | 42 | 8 8 | | | | | 32 | 672 | | | FEB. | 1921 - 22 |
| | 7.96,4 | | 941.42 | 95,759 | | | | | 1931 - 32 | 54,6 | | | DEC | 21. |
| | | | 6 | 100 | | | E777 | | 1.9 | 10 | | | OCT. | 6- |
| | | | | | | - | 077.0 | - | 3777 | | | 1 | AUC. | |
| | | | | | | | 11111 | | | | | | SNIT | |
| | | | 3. | | | | | | 3 - | 0 | | | RAM | - |
| | | | | 70,739 | | | | - | 1930-3 | 80,990 | | | .NAL | 1920-21 |
| | | | 940 | 2 | | - | | Marin. | 9 3 | 80, | | | NOV. | 192 |
| | | | | | | - | | - FIGURE | | | | | JASS | |
| a. (a) | | | | | | | | | | | | | TOPA | H |
| Sec. | | | 0 | | - | - | | WIII/III | | | | 1 | APR. | 0 |
| THE INTERICTION SERVICENTO RICO | | | 3 = | 4 | | | | | 1929-30 | 00 | | 1 | FEB. | - 20 |
| N N N | 5.77 | | 939 | 61,074 | | | | | 2.9 | 81,968 | = | 1 | DEC | 1919 |
| EN EN EN | | | - | | | | E313 | | 1 9 | - | | | SEPT | - |
| T DIT | | | F | | | - B | | | 000 | | | | Y JULY | |
| AS. | | A L | | | | | | | 7 | * | | 1 | NAM | |
| THE STATE | m - | The state of the s | - 39 | - | - | | | T. I. | 2 8 | 834 | | 1 | WAR. | 0 |
| OCCARMENT OF THE INTO CERTS AND CENTURY OF THE INTERIOR ISABELA IRRIGATION SERVIC E QUEBRADILLAS, PUERTO RICO IRRIGATION SYSTEM | 72,053 | | 88 | 98,467 | | | | TO THE | 1928-29 | 89, | | 1 | AND CONTRACT OF CO | 1919-19 |
| PARTMENT OF BELA IRRIGATION STREET | 22 | L. N. | 1938 | | | Comme | | | 192 | | | | VOM | 6 |
| PARE | | | | | MINIM. | MILLER | 7711/2 | | 1 | | | | SEPT | |
| 187 | | | | | - | 1 | 181718 | TITE OF THE PARTY | Auto | | | 1 | SHUL | |
| | | | | | 98 | 1 | 63117 | | 1000 | | | 1 | . RGA | |
| | | | 1937.38 | 1 | AUG. 1927 AGT 2 1927 | H | | | 1927-28 | 9 | | | 0.50 MAL FEB. RAM. RAM. YAM. YAM. YAUL | 1917-18 |
| | 72,928 | | 37 | 73,04 | 4 A | H | | | 27 | 19 208 | | 4 | NON. | = |
| | | | = | | CEO | | 11111 | | 18 | - | | | NON SEPT 100 100 100 100 100 100 100 100 100 10 | - |
| | | | H | | ZO WN | | | | - | | | - | TOLY | |
| | | | | Ħ | - NA | | | | | | | - | VAN. | |
| | | | 100 | 1. | MPOUNDING COMMEN | F | | | 2 7 | ~ | | | .834 MAR. | - |
| | | | | 96,314 | - ZO | | | | 1926-27 | 88,637 | | - T | DEC. | 1916-17 |
| | 8 | | 1936 | 8 | | | | E | 1.92 | 8 | | | NOV. | - |
| | | | | | = 33 | 1 | | | | | | 1 | THE WEAT WEAT WEST TO THE MONTH MONT | |
| | 0 8 8 8 8 | 9 0 0 | 0 | 300 | 80 0 | | 9 | - 6 | - | 3 : | 9 | s c | | اا |









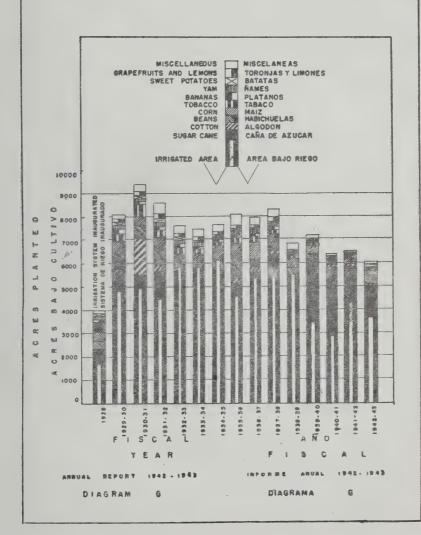
GOVERNMENT OF PUERTO RICO DEPARTMENT OF THE INTERIOR ISABELA IRRIGATION SERVICE QUEBRADILLAS, PUERTO RICO GOBIERNO DE PUERTO RICO DE PARTAMENTO DEL INTERIOR SERVICIO DEL RIEGO DE ISABELA QUEBRADILLAS, PUERTO RICO

IRRIGATION SYSTEM

SISTEMA DE RIEGO

CROP CENSUS

CENSO DE COSECHAS



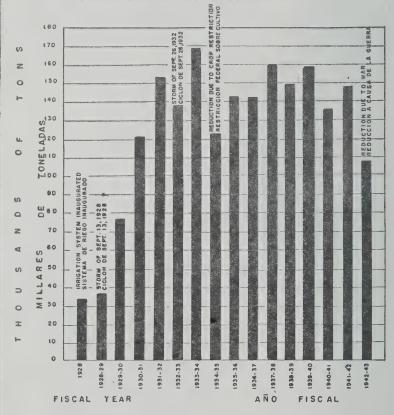
GOVERNMENT OF PUERTO RICO DEPARTMENT OF THE INTERIOR ISABELA IRRIGATION SERVICE QUEBRADILLAS, PUERTO RICO GOBIERNO DE PUERTO RICO DEPARTAMENTO DEL INTERIOR SERVICIO DEL RIEGO DE ISABELA QUEBRADILLAS, PUERTO RICO

IRRIGATION SYSTEM

SISTEMA DE RIEGO

ANNUAL PRODUCTION OF SUGAR CANE

PRODUCCION ANUAL DE CAÑA DE AZUCAR



ANNUAL REPORT 1942 - 43

INFORME ANUAL 1942-43

DIAGRAM H.

DIAGRAMA . H.

TABLES AND DIAGRAMS OF THE HYDROELECTRIC SYSTEM

TABLAS Y DIAGRAMAS

DRL

SISTEMA HIDROELECTRICO

PRODUCCION, COMPRA Y ENTREGA DE ENERGIA SISTEMA HIDROELECTRICO EN KV. HRS.

TABLA NO. 1

TABLE NO. 1

HYDROELECTRIC SYSTEM

| POWER | |
|---------------------------------------|-------------|
| OF | |
| ATION, PURCHASE AND DELIVERY OF POWER | IN KW. HRS. |
| GENERATION, | |

| | Losses From Plant to Consumers Pérdidas desde la Planta a los Cousumidores | | | 96 | 20.5 8.5 17.4 14.6 15.08 | 13.8 10.5 12.4 23.6 | 19.8 | 15.5 |
|--------------|--|---------------|---|------|--|--|----------------------|---------------------|
| | Losses From Plant to Consumers | 6 | Pérdida la Plan Consur | | 160, 578 74, 462 139, 288 106, 869 141, 808 111, 165 | 117, 383 147, 031 84, 998 106, 748 193, 175 | 144, 254 | 1, 527, 759 |
| | Total Delivered to Consumers | Total | consu- midores | | 625, 685 753, 427 662, 293 624, 927 753, 806 748, 629 | 733, 808 744, 043 718, 200 752, 996 623, 632 | 113 | 8, 331, 569 |
| | Power Plant No. 3 | | Planta No. 3 | | | 4, 700 12, 800 | 17,300 | 34,800 |
| to | I. I. S. water Pumps | | Bcmbas del Riego | | 26, 540 | 4, 210 7, 420 24, 354 736 2, 860 | 862 | 68, 142 |
| Delivered to | Offices and Service's Camps | Entregada a | Oficinas y Campa- mentos | | 1, 166 1, 224 1, 224 1, 454 1, 454 1, 506 | 1, 679 1, 525 1, 598 1, 755 | 1,945 | 18, 341 |
| | P.B.W. B.A. | A | La Au- toridad de F. F. | İ | 223, 592 303, 650 219, 635 180, 854 304, 530 302, 843 | 279, 110 285, 960 283, 315 297, 750 120, 635 | 101, 760 | 2, 903, 034 |
| | Con- sumers in the District | - | Consu- midores del Distrito | | 400, 927 422, 013 440, 274 442, 629 447, 822 444, 280 | 448, 809 449, 138 408, 933 448, 055 | 468, 246 | 5, 307, 252 |
| Daliver. | | | da a las líneas de Trans- misión | | 786, 263 827, 889 801, 581 731, 806 895, 614 859, 794 | 851, 191 891, 074 803, 198 859, 744 | 734, 367 | 9,859,328 |
| | Used by Auxilia- ries | Usada by ries | | | 4, 267 2, 389 2, 994 2, 416 3, 296 | 3,079 3,156 1,872 4,546 | 1,817 | 33, 866 |
| I O+OF | Generated and Purchase ed | Total | Producida y Comprada | | 790, 530 828, 650 803, 970 734, 800 898, 030 863, 090 | 854, 270 894, 230 805, 070 864, 190 | 736, 184 | 9, 893, 194 |
| | Purchased ed from P.R.W. R.A. | Commrs- | | - | 21, 360 1, 310 2, 840 5, 450 3, 040 6, 070 | 13, 050 1, 990 12, 300 1, 310 | 6, 970 124, 784 | 200, 474 |
| | Total | | Total | | 769, 170 827, 340 801, 130 729, 350 854, 990 857, 020 | 841, 220 852, 240 752, 770 862, 980 | 813, 110 611, 400 | 9, 692, 720 |
| Generated | Plant No. 2 | Producida | Planta No. 2 | | 314, 560 317, 230 296, 370 270, 900 329, 440 317, 510 | 326, 390 333, 630 298, 160 326, 910 | 300, 060 | 3, 60, 460 |
| 9 | Plant No. 1 | | Planta No. 1 | | 454, 610 510, 110 504, 760 458, 450 565, 550 539, 510 | 514, 830 558, 610 494, 610 536, 070 | 513, 050 352, 100 | Totals 6,002,260 3, |
| - | Month | | Mes | 0707 | July August Sept October Nov | January February March | May | Totals |

TABLE NO 2.
HIDROELECTRIC SYSTEM
POWER CONTRACTS AS OF JUNE 30, 1943

| | | 1943 |
|--------------|------------------------|-----------------------------|
| | | 30, |
| LABLA INO. 4 | SISTEMA HIDROELECTRICO | CONTRATOS EN VIGOR EN JUNIO |
| | | |

| Totals Totales | 7,010 | 09 | 211 | က | 1, 217 | 21 | 116 | 1 | 1 | 14 | 2 | 1 | 8, 657 | |
|---------------------------------|-------------------------|-------------------------|---|--|----------------------|-----------------------------------|-----------------------|----------------|--------------------------------|--|-------------------------|----------------------------------|----------------|--|
| Rural Zone Zona Rural | 2, 015 | 26 | 34 | | 390 | | 45 | 1 | | 1 | 1 | 1 | 2, 514 | A A A STREET, IN CONTROL OF A |
| Añasco | . 463 | | 67 | | 74 | - | 00 | | | 62 | | | 551 | 8, 657 |
| Rincón | 160 | Н | Н | : | 27 | П | : | | | П | | | 191 | |
| Aguada | 355 | 1 | ∞ | | 63 | | 4 | | | 1 | | | 432 | |
| Moca | 190 | 1 | | | 24 | | . 53 | | : | FI | | | 219 | 1943. |
| Aguadilla | 2, 325 | 20 | 117 | : | 364 | 13 | 36 | | | 4 | | | 2, 865 | Total, en Junio 30, Total, en Junio 30, |
| Isabela | 610 | 1 | 24 | m | 114 | 60 | 00 | | : | П | Т | | 765 | Total |
| Quebra- dillas | 301 | 20 | 6 | | 75 | : | 9 | | : | H | | | 412 | 8, 657 |
| Camuy | 337 | 2 | 6 | | 47 | H | 4 | | : | П | | | 401 | |
| Hatillo | 254 | 2 | 9 | | 39 | p=4 | 62 | | | - | | | 306 | |
| Itate Tarifa | 1.4 | 田田 | 113 | ಣ | 2A | 2B | 4 & 5 | 1~ | 1-0 | 9 | 10 | | | |
| Classification Clasificación | Residential—Residencial | Residential—Residencial | Residential (with electric ranges) Residencial (con estufa electrica) | Residential (without meters) Residencial (alumbrado mínimo sin contador) | Commercial—Comercial | Commercial (with electric ranges) | Industrial—Industrial | Central Coloso | District Hospital at Aguadilla | Municipal Public Lighting Alumbrado Público Municipal | P. R. Housing Authority | Interconnection (P. R. W. R. A.) | TOTALS-TOTALES | Total, June 30, 1943 Total, June 30, 1942 |

53 contracts for temporary lighting for local celebrations were in force as of June 30, 1943, but are not tabulated. En esta tabla no aparecen tabulacos 53 contratos para servicio proxisional en fiestas patronales que estaban en vigor en Junio 30, 1943. Pérdida. Por ciento de pérdida. Nor 5 Nora: E SISTEMA HIDROELÉCTRICO

HYDROELECTRIC SYSTEM

TABLE NO. 3

MONTHLY FLUCTUATIONS OF POWER CONTRACTS

| N LOS CONTRATOS | (83)) |
|--|-------------------|
| FLUCTUACIONES MENSUALES EN LOS CONTRATOS | (TARIFAS GENERALE |
| | |

| | Totals | Cancelled | seis a | | 204 315 324 294 294 250 | 00 | 285 287 287 287 280 280 | 3, 359 | |
|---------------------|--------------------------|-----------|---------------|------|---|------|--|--------|--|
| | Tot | penssI | Altas | | 394 346 380 316 306 271 | į | 274 297 278 260 271 331 | 3, 724 | 365 |
| | Zone | Cancelled | sajad | | 22822 | | 50 44 54 40 40 55 | 748 | and the state of t |
| ES)) | Rural Zone Zona Rural | penssi | Altas | | 92 91 88 49 49 | | 66 76 69 46 56 | 837 | 68 |
| TARIFAS GENERALES)) | 1 | Cancelled | Bajas | } | 107 107 10 | | 20888 | 165 | |
| AS GE | Añasco | penssi | satiA | | 1112 | | 02 45 82 41 | 183 | 18 |
| (TARIE | 2ón | Cancelled | Bajas | | 8 C C C C C C C C C C C C C C C C C C C | | | 70 | |
| | Rincón | penssi | sailA | | v 4 0 0 51 cc | | <u> </u> | 92 | 9 |
| | ada | Cancelled | Bajas | | 16 21 21 71 14 11 | | 4 9 7 I I I I I I I I I I I I I I I I I I | 150 | · |
| | Aguada | penssi | satiA | | 23 11 35 14 10 12 | | 122222 | 192 | 42 |
| | Ca | Cancelled | Bajas | • | E11 4 4 4 7 3 | | V481127 | 78 | |
| | Moca | penssi | satiA | | 1268899 | | 9 11 8 6 12 8 | 66 | 21 |
| | dilla | Cancelled | Bajas | | 169 126 145 117 131 112 | | 118 140 108 107 107 | 1,490 | |
| | Aguadilla | penssi | sailA | | 154 120 148 141 112 | | 112 125 117 120 113 163 | 1, 548 | 28 |
| | ela | Cancelled | Bajas | ., | 325 28 325 28 335 25 28 | | 13 15 15 15 15 | 306 | |
| | Isabela | penssi | sailA | | 37 37 31 19 26 41 | | 22 22 23 24 24 25 25 25 25 25 25 25 25 25 25 25 25 25 | 325 | 19 |
| | dillas | Сапсешей | Bajas | | အတက္ကြက | | 13 10 7 8 8 | 92 | |
| | Quebradillas | penssi | sati A | | 23 00 11 81 81 81 | | 82 9 83 6 8 6 9 | 138 | 46 |
| · · | ıny | Cancelled | Bajas | | 17 12 17 21 21 9 | | ©7070004 | 126 | |
| RATES | Camuy | penssi | sailA | | 19 23 22 9 9 | | 8090877 | 165 | 39 |
| (GENERAL RATES) | olli | Cancelled | Bajas | | 20 20 11 11 8 | | 77.8888 | 134 | - |
| (GE) | Hatillo | penssi | satiA | | 16 24 17 11 11 8 | | 41 81 6 8 8 10 8 10 8 | 191 | 27 |
| MONTHEE | | Month | 5 | 1942 | July August September October November | 1943 | January February March April May | TOTALS | GAIN AUMENTO |

*TABLE NO. 4

MONTHLY FLUCTUATIONS OF POWER CONTRACTS

FLUCTUACIONES MENSUALES EN LOS CONTRATOS

SISTEMA HIDROELÉCTRICO TABLA NO. 4

| 1 | als las | Cancelled | Bajas | o C | 900 911 112 123 8 | ಬಾರು | | 441 | 441 |
|---------------------------------|--------------|-----------|-------|--------|--|--------------------------------------|-------------------------|--------|--------------|
| | Totals | penssi | Altas | | * | : : : | | | |
| DOR) | 1800 | Cancelled | Bajas | CG | 3.22 | | | 74 | 74 |
| (ALUMBRADO MINIMO SIN CONTADOR) | Añasco | penssi | satiA | | | | | | |
| O SIN | Rincón | Cancelled | Bajas | | | | | | |
| MINIM | Rit | beussI | satlA | | | | | | |
| RADO | Aguada | Cancelled | Bajas | 9 | 3 | | | 42 | 42 |
| ALUMB | Agu | boussI | SBILA | | | | | | |
| | Moca | Cancelled | Bajas | , | 41201 | 241 | - 00 | 28 | 28 |
| | M | penssI | satiA | | | | | | |
| | Agnadilla | Cancelled | Bajas | 1 | 611 | | | 119 | 119 |
| 1 | Agus | penssI | sailA | | | | | | |
| | Isabela | Cancelled | Bajas | : | 404446 | | | 68 | 89 |
| | Isa | ponssi | satiA | | | | | | |
| | Quebradillas | Cancelled | ssisd | : | 04 | | | 40 | 40 |
| 1 | Quebr | poussi | Alta | | | | | | |
| | Canny | Cancelled | Bajas | | 60 | | | 37 | 37 |
| | Carl | ponssi | satjA | | | | | | |
| No. 3) | Hatillo | Cancelled | 28isH | | 217 | | | 33 | 33 |
| RATE | Ha | boussI | satiA | | | | | | |
| (FLAT RATE NO. | | Mon th | Mes | 1942 | July, August, Sapitemher, October, November, December | 1943 January February March | April. May. Juno. | Totals | GAIN-AUMENTO |

SISTEMA HIDROELEČTRICO

DISTRIBUCION DE LA ENERGIA ENTREGADA

TABLA NO. 5

HYDROELECTRIC SYSTEM

TABLE NO. 5

CLASSIFICATION OF ENERGY DELIVERED

| | | Totals | | Total | | 625, 685 753, 427 662, 293 624, 937 753, 806 748, 629 | 733, 808 | 718, 200 752, 996 623, 632 590, 113 | 8, 331, 569 |
|---|-----------|-------------------------------|-------------------------------|------------------------------|------|--|-----------------|--|-------------|
| ORA) | | Intercon- nection | | Interco- nexión | | 223, 592 303, 650 219, 635 180, 854 304, 530 302, 843 | 279, 110 | 283, 315 287, 750 120, 035 101, 760 | 2, 903, 034 |
| (KILOVATIOS-HORA) | | Power Plant No. 3 | | Planta No. 3 | | | : | 4, 700 12, 800 17, 300 | 34, 800 |
| | | Dependencies | | Depen- dencias | | 1, 166 27, 764 2, 384 1, 454 1, 454 1, 506 | 5,889 | 25, 945 25, 952 2, 491 2, 671 | 86, 483 |
| | | Public Lighting | IDORES | Alumbrado Público | | 4, 459 4, 983 14, 938 23, 456 21, 006 22, 127 | 23, 992 | 23, 266 17, 477 15, 543 18, 461 19, 306 | 209, 014 |
| | FICATION | SIFICATION Primary Power | CLASIFICACION DE CONSUMIDORES | Fuerza | | 14, 400 14, 200 16, 100 19, 400 16, 700 16, 700 | 17, 100 | 5, 700 2, 300 1, 500 7, 300 21, 700 | 153, 100 |
| | SE CLASSI | Industrial | ACION DE | Industrial | | 70, 838 69, 605 74, 554 59, 440 66, 070 64, 053 | 63, 783 | 77, 893 68, 790 88, 361 84, 070 85, 767 | 873, 224 |
| | D | Commercial Industrial | CLASIFIC | Comercial Industrial | | 121, 251 125, 305 122, 965 123, 746 115, 636 112, 233 | 112, 528 | 107, 214 102, 557 107, 664 127, 545 120, 302 | 1, 398, 949 |
| | | Flat Rate Home Lighting | | Alumbrado Sin Contador | | 182 63 63 16 72 75 64 | 53 | 22 22 11 | 269 |
| LIVERED | | Employees | | | | 4, 319 4, 632 4, 713 5, 400 5, 790 5, 790 | 6,381 | 6, 473 6, 072 6, 096 6, 679 6, 891 | 68, 665 |
| ours) | | Domestic | | Residencial Empleados | | 185, 478 203, 225 206, 953 211, 094 223, 116 223, 313 | 224, 972 | 228, 558 211, 711 228, 865 242, 049 214, 269 | 2, 603, 603 |
| CLASSIFICATION OF ENERGY DELIVERED (Khowatt Hours) | | Month | | Mes | 1942 | July. August September Octobar. November | 1943 January | February March April May | Totals |

SISTEMA HIDROELECTRICO TABLA NO. 6

TABLE NO. 6

| S | | Total | | Total | | \$20,055.42 21,311.92 21,181.22 20,829.20 22,489.23 21,930.82 | | 22, 193. 69 22, 543. 20 21, 212. 98 22, 439. 41 21, 711. 07 21, 426. 40 | \$259, 324. 56 |
|----------------------------|-----------|-------------------------------|-------------------------------|------------------------------|------|--|------|--|----------------|
| INGRESO | | Power Plant No. 3 | | Planta No. 3 | | | | 47.00 128.00 173.00 | \$348.00 |
| ACION DE | | Intercon- nection | | Interco- nexión | | \$2, 235.95 3, 036.50 2, 196.35 1, 615.64 3, 104.20 2, 648.18 | | 2,384.38 2,866.60 2,928.95 3,115.16 1,279.60 | \$28, 659.84 |
| USE CLASSIFICATION | | Public Lighting | ORES | Alumbrado Públ co | | \$219.24 246.16 733.70 1, 142.61 1, 020.31 1, 081.96 | | 1, 171.18 1, 145.08 862.05 761.45 909.67 952.86 | \$10, 246.27 |
| | NOI | Primary Power | ONSUMID | Fuerza Primaria | | \$500.00 500.00 500.00 500.00 | | 500.00 500.00 500.00 500.00 500.00 801.50 | \$6, 301.50 |
| | ASSIFICAT | Industrial | ION DE C | Comercial Industrial | | \$2,305.58 2,249.68 2,244.40 2,013.25 2,089.77 2,101.77 | | 2, 134, 92 2, 397, 32 2, 199, 68 2, 604, 67 2, 573, 88 2, 612, 23 | \$27, 547. 15 |
| | USE CL | Commoreial Industrial | CLASIFICACION DE CONSUMIDORES | Comercial | | \$4, 674.94 4, 681.13 4, 681.03 4, 585.60 4, 383.60 | | 4, 364. 29 4, 262. 16 4, 069. 00 4, 247. 56 4, 674. 80 4, 626. 66 | \$54,012.16 |
| | | Flat Rate Home Lighting | | Alumbrado sin Contador | | \$43.20 111.80 111.20 11.20 6.100 5.10 | | 2.70 2.70 2.10 1.80 90 | \$101.30 |
| | | Employees | | Residencial Empleados | | \$54.60 55.86 55.86 55.89 60.45 55.84 | | 73.82 73.53 66.91 63.53 64.73 64.73 | \$741.91 |
| TUES | | Domestic | | Residencial | | \$10,021.91 10,469.90 10,679.64 10,507.97 11,118.76 11,204.37 | | 11, 560.90 11, 295.81 10, 584.29 11, 578.57 11, 578.57 10, 946.37 | \$131, 366. 43 |
| CLASSIFICATION OF REVENUES | | Month | | Mes | 1942 | July. August September October November December | 1943 | January February March April May June | Totals |

SISTEMA HIDROELECTRICO TABLA NO. 7

HYDROELECTRIC SYSTEM

TABLE No. 7

| DENCIAL | Average Monthly Bill | Promedio de Ingreso Mensual Por Factura | 1942–43 | \$1.44 1.50 1.51 1.53 1.58 1.58 | 1. 62 1. 58 1. 48 1. 55 1. 61 1. 61 | \$1.54 |
|---|--------------------------------------|---|---------|--|--|-------------------------------|
| IFA RESI | Average | Prome Ingreso Por F | 1941–42 | \$1.5 1.60 1.62 1.66 1.69 1.69 | 1.1.1.53 | \$1.60 |
| CONSUMIDOR TIPICO CON TARIFA RESIDENCIAL EN EL DISTRITO HIDROELÉCTRICO DE ISABELA | Monthly Revenues | Ingresos Mensuales | 1942–43 | \$10, 021. 91 10, 469. 90 10, 679. 64 10, 807. 97 11, 118. 76 11, 204. 37 | 11, 560. 90 11, 295. 81 10, 584. 29 11, 097. 94 11, 578. 57 10, 946. 37 | \$131, 366. 43 |
| R TIPICO RITO HIDI | Mon | Ingr | 1941–42 | \$8, 858. 57 9, 412. 47 9, 717. 71 10, 192. 89 10, 565. 36 10, 321. 85 | 11, 070. 81 10, 546. 41 9, 952. 35 10, 548. 96 10, 426. 27 10, 614. 52 | \$122, 228. 17 \$131, 366. 43 |
| NSUMIDOJ EL DISTI | Average Consumption (Kw. hrs.) | lio de umo hrs.) | 1912-43 | 26. 61 29. 12 29. 33 29. 82 31. 64 31. 58 | 31. 57 32. 07 29. 79 31. 91 33. 63 29. 65 | 30. 56 |
| OO NE | | Promedio de Consumo (Kv. hrs.) | 1941-42 | 29, 40 31, 08 31, 34 31, 34 32, 74 31, 12 | 33. 56 31. 52 28. 31 29. 54 29. 64 29. 41 | 30.66 |
| | Number of Consumers | ro de nidores | 1942-43 | 6, 970 6, 980 7, 055 7, 078 7, 052 7, 071 | 7, 127 7, 127 7, 138 7, 172 7, 197 7, 226 | 85, 193 |
| | | · Número de Consumidores | 1941-42 | 5, 730 6, 126 6, 233 6, 293 6, 293 | 6, 426 6, 490 6, 599 6, 599 6, 834 6, 885 | 76, 179 |
| | elivered hrs.) | ntregada lns.) | 1942-43 | 185, 478 203, 225 206, 953 211, 094 223, 116 223, 313 | 224, 972 228, 558 211, 711 228, 865 242, 049 214, 269 | 2, 603, 603 |
| NSUMER | Energy Delivered (Kw. hrs.) | Energia Entregada (Kv. hrs.) | 1941-42 | 168, 466 182, 298 186, 838 195, 264 204, 001 195, 875 | 215, 620 204, 621 186, 824 198, 105 195, 732 202, 501 | 2, 336, 145 |
| AVERAGE RESIDENTIAL RATE CONSUMER IN THE ISABELA OPERATING DISTRICT | Month | Mes | | July. August. September. October. November. | January February March April April June | Totals |

TABLE NO. 8

AVERAGE COMMERCIAL RATE CONSUMER IN THE ISABELA OPERATING DISTRICT

SISTEMA HIDROELECTRICO TABLA NO. 8

CONSUMIDOR TIPICO CON TARIFA COMERCIAL EN EL DISTRITO HIDROLECTRICO DE ISABELA

| Average Monthly Bill | Promedio de Ingreso Mensual Por Factura | 1941–42 1942–43 | \$3.55 \$3.55 \$3.55 \$4.08 \$4.08 \$5.55 \$5 |
|--------------------------------------|---|-----------------|---|
| | | 1942–43 | 84, 674, 94 4, 739, 38 4, 742, 13 4, 742, 13 4, 742, 13 4, 585, 60 4, 585, 60 4, 202, 16 4, 247, 80 4, 674, 80 4, 674, 80 4, 626, 66 8, 54, 012, 16 |
| Monthly Revenues | Ingresos Mensuales | 1941–42 | \$4,072.30 4,388.90 4,773.66 5,419.69 4,973.66 6,917.74 4,802.28 4,972.04 4,972.04 6,155.12 5,155.12 |
| age option hrs.) | lio de · umo hrs.) | 1942-43 | 96. 77 103. 30 99. 74 99. 74 99. 58 98. 33 87. 53 88. 61 103. 11 93. 04 |
| Average Consumption (Kw. hrs.) | Promedio de Consumo (Kv. hrs.) | 1941-42 | 87. 13 95. 84 108. 55 107. 15 107. 15 104. 61 104. 61 106. 91 106. 91 106. 91 106. 91 |
| er of mers | ro de nidores | 1942-43 | 1, 253 1, 282 1, 282 1, 283 1, 288 1, 208 1, 208 1, 212 1, 212 1, 212 1, 213 1, |
| Number of | Número de Consumidores | 1941-42 | 1, 132 1, 144 1, 174 1, 239 1, 239 1, 224 1, 224 1, 224 1, 224 1, 224 1, 233 1, 233 1, 233 1, 282 1, 282 |
| belivered hrs.) | intregada hrs.) | 1942–43 | 121, 251 125, 305 122, 465 123, 749 115, 636 112, 233 112, 537 107, 547 107, 647 107, 647 107, 648 127, 545 127, 545 127 |
| Energy Delivered (Kw. hrs.) | Energía Entregada (Kv. hrs.) | 1941-42 | 98, 637 109, 649 117, 461 117, 461 117, 669 118, 455 118, 474 120, 594 130, 904 130, 904 130, 587 117, 889 118, 387 11, 513, 386 |
| Month | Mes | | August August August Cotober November December December Rebruary Rebruary March March Mari Mari Mari Mari Mari Mari Mari Mari |

TABLE No. 9

AVERAGE FLAT RATE HOME LIGHTING CONSUMER IN THE ISABELA OPERATING DISTRICT (TARIFF NO. 3)

SISTEMA HIDROELECTRICO

Tabla No. 9

CONSUMIDOR TIPICO CON ALUMBRADO MINIMO SIN CONTADOR EN EL DISTRITO HIDROELECTRICO DE ISABELA (TARIFA NO. 3)

| | Bills | Consu | mption | Reve | enues | |
|--|-----------------------------|------------------------------------|--|---|---|--|
| Month | Issued | Block | Average | Block | Average - | |
| | Facturas | Cons | sumo | Producido | | |
| Mes | Expedidas | Total | Promedio | Total | Promedio | |
| 1942 | | Kilowat Kilovati | | | | |
| July | 48 | 182 63 51 90 75 64 | 1.32 1.31 1.42 3.75 3.75 3.78 | \$43.20 14.80 11.20 7.20 6.00 5.10 | \$0.315 .307 .311 .300 .300 .300 | |
| 1943 January February March April May June | 14 9 7 7 6 3 | 53 34 26 . 26 22 11 | 3.78 3.78 3.71 3.71 3.50 3.67 | 4.20 2.70 2.10 2.10 1.80 | .300 .300 .300 .300 .300 | |
| Totals | 330 | 697 | 2.11 | \$101.30 | \$0.307 | |

TABLE No. 10

AVERAGE POWER RATE CONSUMER IN THE ISABELA OPERATING DISTRICT (TARIFF No. 5)

(SMALL AND MEDIUM SIZE INSTALLATIONS)

SISTEMA HIDROELECTRICO

TABLA No. 10

CONSUMIDOR TIPICO CON SERVICIO DE FUERZA EN EL DISTRITO HIDROELECTRICO DE ISABELA

(TARIFA No. 5)

(INSTALACIONES CON CAPACIDAD HASTA 100 C. DE F.)

| | | Consu | mption | Reve | enues |
|--|--|--|--|--|--|
| Month | Н. Р. | Block | Average | Block | Average |
| | | Cons | sumo | Pro | ducido |
| Mes | C. de F. | Total | Promedio | Total | Promedio |
| 1942 | | K lowat Kilovati | | | |
| July August September October November | 1, 056 1, 017 920 927 922 848 | 67, 953 66, 935 71, 484 56, 904 63, 419 61, 380 | 64, 35 65, 82 77, 70 60, 31 68, 78 72, 38 | \$2, 156, 20 2, 105, 05 2, 111, 73 1, 880, 23 1, 954, 28 1, 959, 69 | \$2.04 2.07 2.30 2.03 2.12 2.31 |
| 1943 | | | | | |
| January February March April May June | 873 837 863 932 948 949 | 61, 230 73, 367 64, 154 83, 138 79, 040 81, 092 | 70.14 87.65 74.34 89.20 83.38 85.45 | 1, 995, 60 2, 204, 97 2, 002, 33 2, 395, 06 2, 368, 83 2, 408, 52 | 2, 29 2, 63 2, 32 2, 57 2, 50 2, 54 |
| Totals | 11, 092 | 830, 096 | 74. 84 | \$25, 542, 49 | \$2.31 |

TABLE No. 11

AVERAGE EXCLUSIVE TRANSFORMER RATE CONSUMER IN THE ISABELA OPERATING DISTRICT (TARIFF No. 4)

SISTEMA HIDROELECTRICO

TABLA No. 11

CONSUMIDOR TIPICO CON TRANSFORMADOR EXCLUSIVO EN EL DISTRITO HIDROELECTRICO DE ISABELA

(Tarifa No. 4)

| | | Consu | mption | Reve | enues |
|--|--|---|--|--|--|
| Month | KV-A | Block | Average | Block | Average |
| | | Cons | sumo | Produ | ıcido |
| Mes | KV-A | Total | Promedio | Total . | Promedio |
| 1942 July August Saptember. October. | , 24 | Kilowat Kilovati 2, 885 2, 670 3, 070 2, 536 | | \$149, 32 144, 63 152, 67 133, 02 | \$6.2 6.0 6.3 5.5 |
| November December 1943 | 24 | 2, 651 2, 673 | 110.46 111.38 | 135, 49 142, 08 | 5.6 5.9 |
| January February March April May June | 24 24 24 24 24 24 29 | 2, 553 4, 526 4, 636 5, 223 5, 030 4, 675 | 106, 38 188, 58 193, 17 217, 63 209, 58 161, 21 | 139, 32 192, 35 197, 35 209, 61 205, 05 203, 71 | 5.8 8.0 8.2 8.7 8.5 7.0 |
| Totals.' | 293 | 43, 128 | 147. 19 | \$2,004.60 | \$6.8 |

TABLE No. 12

AVERAGE CONSUMER FOR ALL RATES IN THE ISABELA OPERATING DISTRICT SISTEMA HIDROELECTRICO

TABLA No. 12

CONSUMIDOR TIPICO BAJO TODAS LAS TARIFAS EN EL DISTRITO HIDROELECTRICO DE ISABELA

| | | Bl | ock | Ave | rage |
|--|--------------------|----------------------------|-----------------------------|------------------|-------------------|
| Tariff No. | Bills Issued | Consump- tion | Revenues | Consump- tion | Revenues |
| | No. de | То | otal | Pron | nedio |
| Tarifa No. | Facturas | Consumo | Producido | Consumo | Producido |
| | | KwHrs. | | Kw. Hrs. | |
| 1—Residential—Residencial2—Commercial—Comercral | 85, 193 14, 548 | 2, 603, 603 1, 398, 949 | \$131, 366.43 54, 012.16 | 30.56 94.07 | \$1.54 3.63 |
| 3—Flat Rate Home Lighting Alumbrado Mínimo sin Contador 4—Exclusive Transformer | 330 | 697 | 101.30 | 2.11 | 0.307 |
| Servicio por Transformador Exclu- sivo. 5—Power (Small and medium size Installations) | 73 | 43, 128 | 2, 004.66 | 591 | 27.46 |
| Fuerza (Instalaciones de pequeña Capacidad) | 1, 210 | 830, 096 | 25, 542.49 | 686 | 21.11 |
| Alumbrado Público | 126 | 209, 014 | 10, 246. 27 | 1, 580 | 81, 32 |
| 7—Power (Primary) Fuerza (Primaria) | 14 | 153, 100 | 6, 301.50 | 10, 935 | 450.10 |
| Especial (Empleados) | 641 12 | 68, 665 2, 903, 034 | 741.91 28,659.84 | 107 241, 945 | 11.56 2,388.03 |
| Special—Plant No. 3 Especial—Planta No. 3 Dependencies—Dependencias | 3 | 34, 800 86, 483 | 348.00 | 11, 600 | 116.00 |
| Totals—Totales | 102, 170 | 8, 331, 569 | 259, 324.56 | 81.54 | \$2, 53 |

HYDROELECTRIC SYSTEM

TABLE NO. 13

USERS CLASSIFICATION

(RESIDENTIAL RATE)

TARIFF No. 1

TABLA NO. 13
CLASIFICACION DE CONSUMIDORES
TABLEA NO. 1
(RESIDEROLI.)

SISTEMA HIDROELECTRICO

| | , | Totals Totales | | 254 100.00% | 342 100.00% | 309 | 632 100.00% | 2, 434 100.00% | 100.00% | 363 100.00% | 157 100.00% | 100.00% | 2,052 100.00% | 7, 195 100, 00% |
|---------------|------------------------------|-------------------|-------------|----------------|----------------|----------------|----------------|-------------------|---------------|----------------|----------------|---------------|--------------------------|--------------------|
| (LESIDENCIAL) | | Over (más de) | 201 | 2.36% | 1.75% | 2.59% | 3.64% | 4.64% | . 54% | 1.39% | | . 21% | 1. 23% | 188 2.61% |
| (RESI | | | Kw. Hrs. | | . 58% | 3,97% | 347% | 218.86% | | | | . 86% | . 29% | 39 |
| | , | | Kw. Hrs. | . 39% | . 29% | 1,29% | 2.37% | 1.19% | 1.07% | . 50% | . 64% | 1. 28% | 13 | 1.03% |
| | CACION | 71—100 | Kw. Hrs. | 2.36% | 1.17% | 3. 24% | 1.90% | 69 2.84% | 2.69% | 3.03% | 3 1.91% | 2.15% | 30 1. 46% | 160 |
| | -CLASIFI | 51—70 | KW. Hrs. | 4.33% | 2.34% | 15 4.85% | 32 5.06% | 3.66% | 3.76% | 3.03% | 7.64% | 23 | 45 2. 19% | 253 3.52% |
| | CLASSIFICATION—CLASIFICACION | 41—50 | MW. HIS. | . 79% | 1.17% | 3. 24% | 14 2. 22% | 2.30% | 2.15% | 1.93% | 4.46% | 12 2. 58% | 1.80% | 2.13% |
| - | | 31—40 | WW. HIS. | 4.33% | 6. 43% | 2.59% | 2.85% | 89 3.66% | 1.08% | 2.48% | 4.46% | 3.86% | 104 5.07% | 4.00% |
| | | 21—30 | N.W. 2112. | .7.09% | . 8.49% | 31 10.03% | 9.34% | 11.38% | 4.30 | 7. 44% | 10.19% | 6.65% | 169 8. 215 | 9. 24% |
| | | 11—20 V. II. | | 34.65% | 30. 12% | 115 37. 22% | 212 33. 54% | 35.37% | 55 29. 57% | . 36. 12% | . 33.76% | 165 35.41% | 36.79% | 2, 538 |
| | | 0-10 Kw Hrs | ikw. ittis. | 43.70% | 163 47.66% | 105 33, 98% | 38.61% | 830 | 102 54.84% | 160 44. 08% | 36.94% | 196 42.06% | 868 42.30% | 2,837 |
| | | Zona | | Hatillo | Camuy | Quebradillas | Isabela | Aguadilla | Moca | Aguada | Rincón. | Añasco | Rural Zone Zona Rural | TOTALS. Totales |

NOTE:—This classification has been worked out from abstract of bills for the month of May, 1943. NOTA:—Esta classificación fué preparada con números del resumen de facturas para el mes de mayo, 1943.

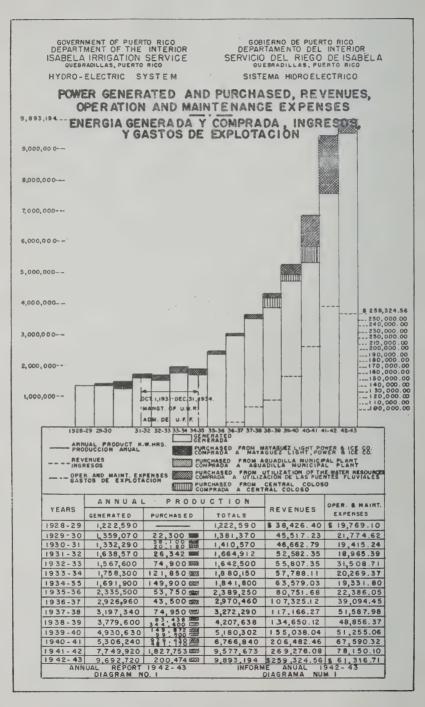
TABLE NO. 14
USERS CLASSIFICATION
TARKE NO. 2
(COMMERCIAL RATE)

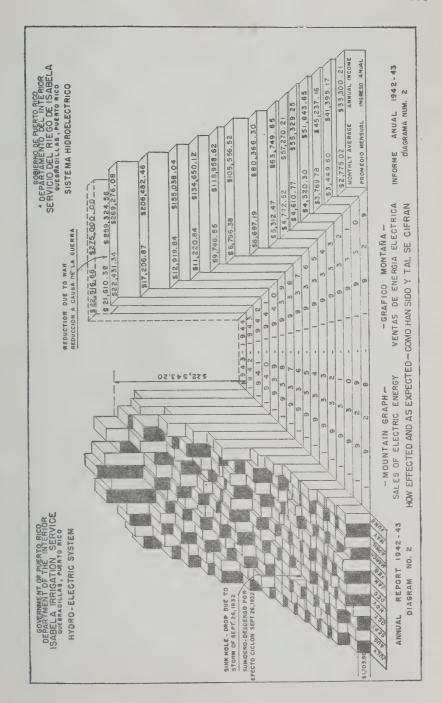
SISTEMA HIDROELECTRICO TABLA No. 14 CLASIFICACION DE CONSUMIDORES TABRA No. 2

(COMERCIAL)

| | | | | CLASSI | CLASSIFICATION—CLASIFICACION | -CLASIFI | CACION | | | | |
|-----------------|---------------|---------------|----------|----------|------------------------------|--------------|-------------|-------------|----------|-----------------|------------------|
| Zone | 0-10 | 11—20 | 21—30 | 31—40 | 41—50 | 51—70 | 71—100 | 101—150 | 151—200 | Over | , |
| впол | Kw. Hrs. | Kw. Hrs. | Kw. Hrs. | Kw. Hrs. | Kw. Hrs. | Kw. Hrs. | Kw. Hrs. | Kw. Hr. | Kw. Hrs. | (mas de) 200 | Totales |
| Hatillo | 40.00% | 20.00% | 5.00% | 2. 50% | 2.50% | 7.50% | 5.00% | 7.50% | 5.00% | 5.00% | 100.00% |
| Camuy | 37. 78% | 10 22, 22% | 6.67% | 2. 22% | 2. 22% | 4.44% | 6.67% | 6.67% | | 11.11% | 100.00% |
| Quebradillas | 29, 73% | 18.92% | 8.12% | 2.70% | 2.70% | 5.41% | 14.86% | 2.70% | | 14.86% | 74 100.00% |
| Isabeala | 36. 20% | 19.83% | 6.03% | 3,45% | 2. 59% | 2.50% | 11.21% | 6.03% | 2. 59% | 9. 48% | 116 |
| Aguadilla | 107 28.61% | 15.24% | 6.15% | 4.55% | 4. 28% | 7. 22% | 5,61% | 5.88% | 3. 48% | 18.98% | 374 . 100.00% |
| Moca. | 16.00% | 12.00% | 8.00% | 4.00% | 8.00% | 24. 00% | 8.00% | 4.00% | 4.00% | 12.00% | 25 100.00% |
| Aguada | 41.94% | 11. 29% | 9.68% | 3. 23% | 3.25% | 4.84% | 11. 29% | 4.84% | 1.61% | 8.05% | 100.00% |
| Rincón | 32.15% | 5 21. 42% | | 3.57% | | 3. 57% | 17.86% | 3.57% | | 17.86% | 100.00% |
| Añasco | 33 42.87% | 15.58% | 7.79% | 5.19% | 1,30% | 2.60% | 6. 49% | 7.79% | 3, 90% | 6. 49% | 100.00% |
| Rural Zone. | 34, 18% | 64 16. 33% | 7.91% | 4.85% | 18 4, 59% | 49 12.75% | 34 8.67% | 26 6.63% | 1.28% | 2.81% | 392 100.00% |
| Totals. Totales | 33.34% | 16.55% | 6.97% | 4. 22% | 3.73% | 8.11% | 8.35% | 6.00% | 28.27% | 10.46% | 1, 233 |

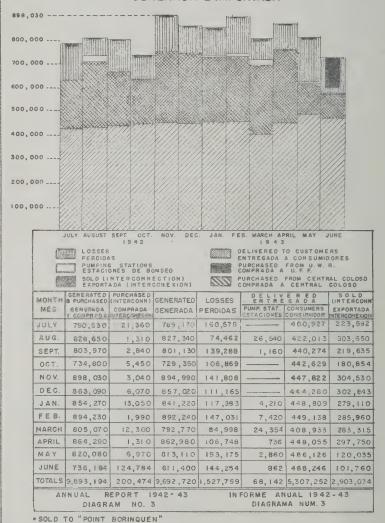
Note:—This classification has been worked out from at stract of bills for the month of May, 1943. Nota:—Esta clasificación fué preparada con números del resumen de facturas para el mes de mayo, 1943.





GOVERNMENT OF PUERTO RICO DEPARTMENT OF THE INTERIOR ISABELA IRRIGATION SERVICE OVERBRADILLAS, PUERTO RICO HYDRO-ELECTRIC SYSTEM GOBIERNO DE PUERTO RICO
DEPARTAMENTO DEL INTERIOR
SERVICIO DEL RIEGO DE ISABELA
QUEBRADILLAS, PUERTORICO
SISTEMA HIDROELECTRICO

DISTRIBUTION OF POWER GENERATED AND PURCHASED DISTRIBUCION DE ENERGIA GENERADA E IMPORTADA



GOVERNMENT OF PUERTO RICO
DEPARTMENT OF THE INTERIOR
ISABELA IRRIGATION SERVICE
QUEBRADILLAS, PUERTO RICO

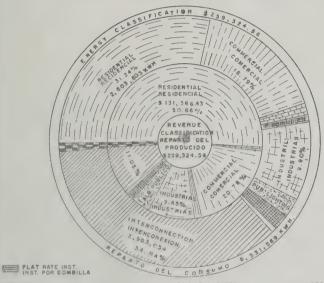
GOBIERNO DE PUERTO RICO
DE PARTAMENTO DEL INTERIOR
SERVICIO DEL RIEGO DE ISABELA
QUEBRADILLAS, PUERTO RICO

HYDRO-ELECTRIC SYSTEM

SISTEMA HIDROELECTRICO

USE CLASSIFICATION FOR ENERGY DELIVERED AND REVENUES

REPARTO DEL CONSUMO DE ENERGIA Y PRODUCIDO SEGUN LA CLASE DE USUARIO



PRIMARY POWER

SPECIAL EMPLOYEES

DEPENDENCIES

| I OF HEW I I MINISTER | | 501 | DOING CINT DE | | 001 | GIIDGIIGIAG |
|---|-----------|------------|---------------|-------------------|------------|-------------|
| RATES | 1941 - | 1942 | 1942- | 1943 | DIFFER | |
| TARIFAS | KW-HRS. | AMOUNT | KWHRS. | AMOUNT IMPORTE | KWHRS. | AMOUNT |
| RESIDENCIAL RESIDENCIAS | 2,336,145 | 122,228.17 | 2,603,603 | 131,366.43 | 267,458 | 9,138.26 |
| COMMERCIAL | 1,513,336 | 57,840.59 | 1,398,949 | 54,012.16 | -114,387 | - 3,828.43 |
| FLAT RATE INST. | 40,104 | 3,364.80 | 697 | 101.30 | - 39,467 | - 3,2前3.5页 |
| EXCL. TRANS. SERVICE SERV. DE TRANS. EXCL. | 1,212,829 | 19,320.29 | 43,128 | 2,004.86 | -1,169,701 | -17,315.63 |
| INDUSTRIAL | 1,003,692 | 29,568.21 | 830,096 | 25,542.49 | -173,596 | - 4,025.72 |
| STREET LIGHTING | 275,876 | 13,531.19 | 209,014 | 10,246.27 | - 66,862 | - 3,284.92 |
| PRIMARY POWER FUERZA PRIMARIA | 154,200 | 6,000.00 | 153,100 | 6,301.50 | -1,100 | 301.50 |
| SPECIAL (EMPLOYEES) ESPECIAL (EMPLEADOS) | 49,323 | 587.60 | 68,665 | 741.91 | 19,342 | 154.3 |
| INTERCONNECTION EXPORTADA | 1,659,130 | 16,835.23 | 2,903,034 | 28,659.84 | 1,243,904 | 11,824.61 |
| DEPENDENCIES DEPENDENCIES | 169,494 | | 121,283 | 348.00 | - 48,211 | 348.00 |
| TOTALS. TOTALES | 8,414,129 | 269,276.08 | 8,331,569 | 259,324.56 | - 82,560 | 9,951.52 |

ANNUAL REPORT 1942-43 DIAGRAM NO. 4 INFORME ANUAL 1942-43 DIAGRAMA NUM. 4

D POINT BORINGUEN - PUNTA BORINGUEN

GOVERNMENT OF PUERTO RICO DEPARTMENT OF THE INTERIOR ISABELA IRRIGATION SERVICE OUESRADILLAS, PUERTO RICO GOBIERNO DE PUERTO RICO
DEPARTAMENTO DEL INTERIOR
SERVICIO DEL RIEGO DE ISABELA
OUEBRADILLAS, PUERTO RICO

HYDRO-ELECTRIC SYSTEM

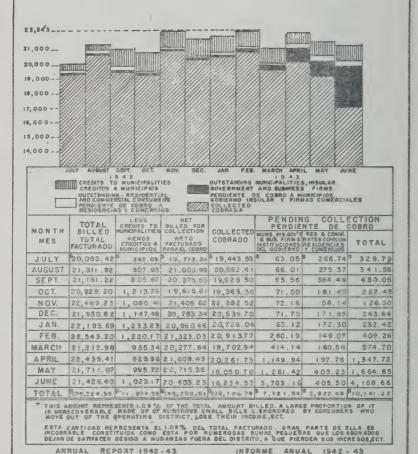
DIAGRAM NO. &

SISTEMA HIDROELECTRICO

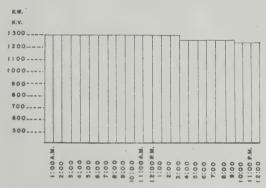
INFORME ANUAL 1942 - 43 DIAGRAMA NUM. 6

MONTHLY TOTALS OF BILLS ISSUED, COLLECTED
AND OUTSTANDING AT END OF COLLECTION PERIOD
MONTANTES MENSUALES DE LAS FACTURAS
RENDIDAS Y SITUACION DE LOS COBROS AL CERRAR
EL ULTIMO PLAZO PARA EL PAGO DE LAS CUENTAS

DOLLARS

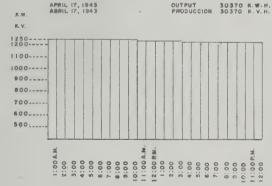


GOVERNMENT OF PUERTO RICO DEPARTMENT OF THE INTERIOR ISABELA IRRIGATION SERVICE QUEBRADILLAS, PUERTO RICO HYDRO-ELECTRIC SYSTEM GOMERNO DE PUERTO RICO DEPARTAMENTO DEL INTERIOR SERVICIO DEL RIEGO DE ISABELA QUEBRADILLAS, PUERTO RICO SISTEMA HIDROELECTRICO



LOAD CURVE-DAY OF MAXIMUM PRODUCTION
(SYSTEM INTERCONNECTED)

CURVA DE LA CARGA EL DIA DE MAXIMA PRODUCCION (SISTEMA INTERCONECTADO)



TYPICAL DAILY LOAD CURVE

CURVA DE LA CARGA TIPICA DIARIA

OUTPUT- 29,530 K.W.M. PRODUCCION-29,530 K.V.H.

ANNUAL REPORT 1942-43
DIAGRAM NO.5

INFORME ANUAL 1942-43
DIAGRAMA NUM. \$

GOVERNMENT OF PUERTO RICO DEPARTMENT OF THE INTERIOR ISABEL A IRRIGATION SERVICE HYDRO-ELECTRIC SYSTEM

GOBIERNO DE PUERTO RICO
DEPARTAMENTO DEL INTERIOR
SERVICIO DEL RIEGO DE ISABELA
GUEBRADILLAS, PUERTO RICO

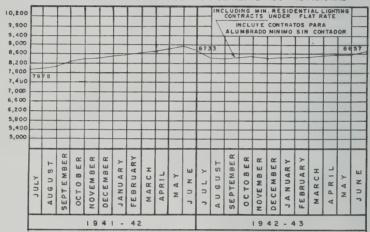
SISTEMA HIDROELECTRICO

TREND OF POWER CONTRACTS

INCLUDES CONTRACTS FOR TEMPORARY LIGHTING SERVICE

MOVIMIENTO DE CONTRATOS

INCLUYE CONTRATOS PARA SERVICIO DE ALUMBRADO PROVISIONAL



| | FISCAL YE | AR 1941 CAL 1941 | | FISCAL YEAR 1942-43 ANO FISCAL 1942-43 | | | | | |
|--------------|--------------------|--|------------------|---|--------------------|--|------------------|--|--|
| MONTH MES | PREVIOUS PREVIO | INCREASE OR DECREASE AUMENTO O DESCONSO | ACTUAL ACTUAL | MONTH MES | PREVIOUS PREVIO | INCREASE OR DECREASE AUMENTO O DESCENSO | ACTUAL AGTUAL | | |
| JULY | 7978 | 74 | 8052 | JULY | 8733 | - 313 | 8420 | | |
| AUGUST | 8 0 5 Z | ⇒ I O 5 | 8157 | AUGUST | 8 4 2 0 | - 60 | 8360 | | |
| SEPT. | 8157 | 109 | 8266 | SEPT. | 8 3 60 | 44 | 8404 | | |
| OCT. | 8266 | 1 2 6 | 8392 | OCT. | 8 4 04 | 10 | 8414 | | |
| NOV. | 8 3 9 2 | 1 2 | 8 4 0 4 | NOV. | 8 4 1 4 | - 31 | 8383 | | |
| DEC. | 8 4 0 4 | 79 | 8 4 8 3 | DEC. | 8 3 8 3 | 18 | 8401 | | |
| JAN. | 3 4 8 3 | 4 8 | 1 8 5 8 | JAN. | 8 4 0 1 | 40 | 8441 | | |
| FEB. | 8 5 3 1 | 104 | 8635 | FEB. | 8 4 4 1 | 7 | 8 4 4 8 | | |
| MARCH | 8 6 3 5 | 122 | 8757 | MARCH | 8 4 48 | 49 | 8497 | | |
| APRIL | 8 7 5 7 | 9 2 | 8 8 4 9 | APRIL | 8 4 9 7 | 19 | 8516 | | |
| MAY | 8 8 4 9 | 6 7 | 8916 | MAY | 8 5 1 6 | 43 | 8559 | | |
| JUNE | 8916 | - 183 | 8733 | JUNE | 8 5 5 9 | 98 | 8 657 | | |
| TOTALS | 7978 | 7 5 5 | 8 7 3 3 | TOTALS | 8 733 | - 76 | 8657 | | |

ANNUAL REPORT 1942 - 43 DIAGRAM NO 7

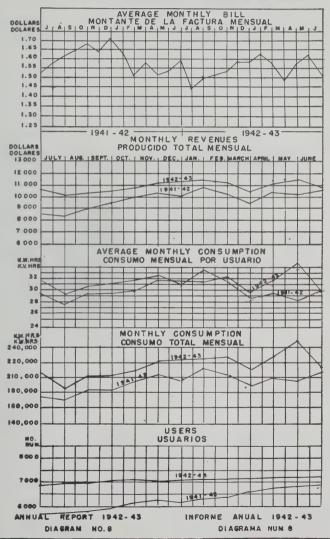
INFORME ANUAL 1942 - 43 DIAGRAMA NUM. 7

GOVERNMENT OF PUERTO RICO DEPARTMENT OF THE INTERIOR ISABELA IRRIGATION SERVICE QUEBRADILLAS, PUERTO RICO HYDRO-ELECTRIC SYSTEM

GOBIERNO DE PUERTO RICO
DEPARTAMENTO DEL INTERIOR
SERVICIO DEL RIEGO DE ISABELA
QUEBRADILLAS, PUERTO RICO
SISTEMA HIDROEL ECTRICO

AVERAGE RESIDENTIAL RATE CONSUMER IN THE ISABELA OPERATING DISTRICT

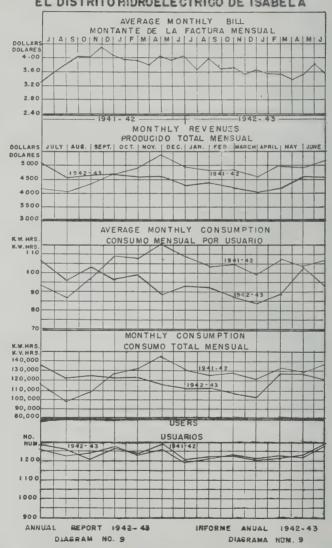
USUARIO TIPICO CON TARIFA RESIDENCIAL EN EL DISTRITO HIDROELECTRICO DE ISABELA



GOVERNMENT OF PUERTO RICO DEPARTMENT OF THE INTERIOR ISABELA IRRIGATION SERVICE QUEBRADILLAS, PUERTO RICO HYDRO-ELECTRIC SYSTEM GOBIERNO DE PUERTO RICO
DEPARTAMENTO DEL INTERIOR
SERVICIO DEL RIEGO DE ISABELA
QUEBRADILLAS, PUERTO RICO
SISTEMA HIDROELEGTRICO

AVERAGE COMMERCIAL RATE CONSUMER IN THE ISABELA OPERATING DISTRICT

USUARIO TIPICO CON TARIFA COMERCIAL EN EL DISTRITO HIDROELECTRIGO DE ISABELA



TABLES AND EXHIBITS

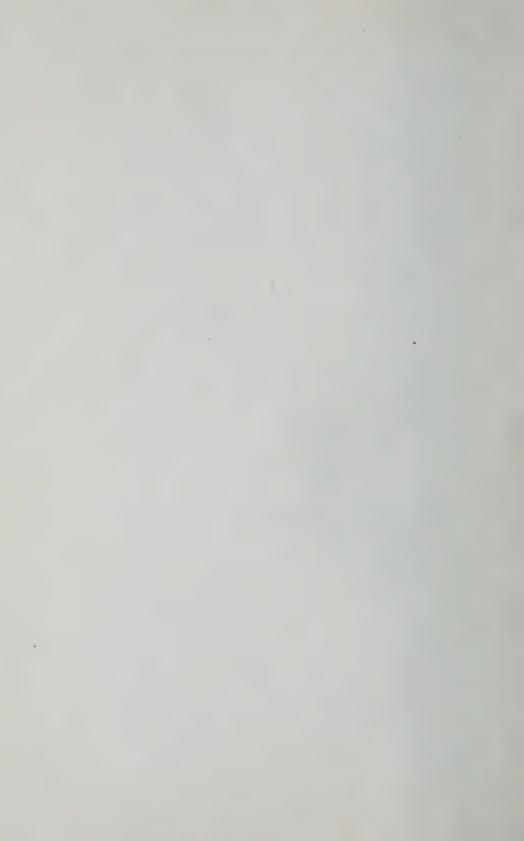
OF THE

DIVISION OF PROPERTY AND ACCOUNTS

TABLAS Y ANEXOS

DE LA

DIVISION DE PROPIEDAD Y CUENTAS



DIVISION OF PROPERTY AND ACCOUNTS

DIVISION DE PROPIEDAD Y CUENTAS
TABLA "A"

TABLE "A"

CLASSIFICATION OF BILLS ISSUI

| PEDIDAS | Total | Total | | \$21, 706. 37 23, 098. 70 22, 768. 99 22, 615. 34 24, 031. 28 29, 409. 95 | | 23, 607. 75 28, 969. 79 22, 731. 31 24, 567. 05 23, 306. 78 31, 864. 91 | \$298, 678. 22 67. 49 | \$298, 610. 73 |
|-------------------------------------|--|---|------|--|------|--|--|----------------|
| TURAS EX | Sundry | Varios | | \$63.74 268.89 46.91 454.54 96.59 5,647.43 | | 118. 18 4, 275. 04 46. 29 338. 73 264. 61 8, 905. 20 | \$20, 526. 15 | \$20, 526. 15 |
| N DE FAC | Rentals | Rentas | | \$226, 09 10, 00 10, 00 10, 00 10, 00 10, 00 | | 20.00 186.00 10.00 10.00 10.00 98.00 | \$610.09 | \$610.09 |
| CLASIFICACION DE FACTURAS EXPEDIDAS | Consumers' Contributions for Line Constructions, etc. | Aportado por Consumidores para Construccion de Líneas, etc. | | \$50.00 50.00 108.00 10.00 265.00 358.00 | | 21. 00 147. 36 31. 00 46. 00 14. 00 73. 00 | \$1, 173.36 | \$1, 173. 36 |
| 0 | Equipment, Materials, and Supplies | Equipo, Materiales y Efectos | | \$108.00 282.00 236.70 145.29 6.62 | | 64.00 665.61 58.71 572.71 168.00 156.75 | \$2, 742. 65 | \$2,742.65 |
| | Water for Domestic and Industrial Purposes | Agua para fines Domésticos e Industriales | ! | \$1,164.42 1,163.39 1,170.66 1,164.81 1,158.44 1,185.44 | | 1, 173. 98 1, 123. 93 1, 185. 73 1, 135. 80 1, 129. 10 1, 109. 66 | \$13, 875. 36 | \$13,875.36 |
| | Irrigation Water (Law No. 178, approved 5/14/41) | Agua para Riego (Ley No. 178, aprobada 5/14/41) | | \$38.70 12.50 15.50 1.50 5.40 | | 16.90 28.65 176.60 24.40 10.00 95.90 | \$426.05 | \$426.05 |
| | Elctric Energy (Gross Value) | Energía Eléctrica (Valor Total Facturado) | | \$20,056.42 21,311.92 21,181.22 20,829.20 22,489.23 21,930.82 | | 22, 193. 69 22, 543. 20 21, 212. 98 22, 439. 41 21, 711. 07 21, 426. 40 | \$259, 324. 56 | \$259, 257. 07 |
| OF BILLS ISSUED | No. of Bills | Núm. de Facturas | | 8, 573 8, 552 8, 552 8, 539 8, 567 8, 483 | | 8,555 8,557 8,562 8,607 748 748 | 102, 865 | 102, 865 |
| CLASSIFICATION OF BIL | Month | Mes | 1942 | July August. September. Octobaber. November. | 1943 | January February March April May June | Less: Bills covering Previous Year's Accounts Menos: Factures cubriendo Cuentas del Año Anterior | Totals |

\$683, 396, 59

TOTAL, as of June 30, 1943. Total, Junio 30, 1943.

DIVISION OF PROPERTY AND ACCOUNTS

Table "B"

CLASSIFICATION OF DISBURSEMENTS VOUCHERS FOR FISCAL

DIVISION DE PROPIEDAD Y CUENTAS TABLA "B" CLASIFICACION DE COMPROBANTES DE PAGO PARA EL AÑO FISCAL QUE TERMINO EN JUNIO 30. 1943

| | Total | Total | | \$13, 792, 95 15, 725, 58 12, 712, 68 32, 251, 30 13, 718, 92 371, 998, 63 | | 15, 878, 63 20, 851, 22 28, 819, 47 19, 905, 61 14, 868, 46 120, 405, 47 | \$680,928.92 | \$2, 467. 67 |
|-----------------------------|---|--|------|---|------|---|----------------|--|
| 30, 1943 | Reimbur- sement of Customers' Cash Bond Deposits | Reembolso de Fianzas de Consumi- | | \$83. 00 \$89. 00 | | 315.00 116.00 170.00 298.00 455.09 | \$1,746.09 | |
| FISCAL QUE TERMINO EN JUNIO | Amortiza- tion of Bonds & Loans, & Payment of Interest | Amortiza- ción de Bonos y Préstamos y Pago de Intereses | | \$359, 281. 25 | | 95, 531. 25 | \$454, 812. 50 | PLUS: Vouchers in Transit as June 30, 1942. MAS: Comprobantes en Curso en Junio 30, 1942. |
| TERMINO | Previous Years' Accounts | Cuentas de Años Anteriores | | \$1,706.37 | | 4, 656. 23 | \$6,379.58 | it as June 30 Curso en Ju |
| CAL QUE | Sundry | Varios | | \$85.00 1,776.68 54.53 16,767.91 250.37 | | 630.77 515.50 1,788.85 159.90 506.95 966.25 | \$23, 632.71 | ers in Trans |
| FIS | Telephone and Telegraph. | Teléfono Telégrafo | | \$26.50 26.50 64.69 80.33 | | 26.50 32.44 86.67 104.75 15.96 47.13 | \$537.97 | AAS: Comp |
| | Rents , | Alquileres y Arrenda- mientos | | \$248.42 379.43 339.43 288.42 390.43 | | 578, 14 322, 85 456, 33 288, 42 390, 43 | \$4, 072. 74 | HE |
| | Transportation (All kinds) | Transporte (Toda classe) | | \$16.79 547.70 6.73 555.81 | | 276. 63 282. 03 459. 78 709. 93 266. 02 289. 61 | \$3,411.03 | |
| | Equip- ment, Materials, & Supplies | Equipo, Materiales y Efectos | | \$2, 317.92 3, 833.16 2, 320.90 5, 314.34 2, 866.83 2, 605.06 | | 1, 768. 00 8, 811. 53 17, 496. 18 3, 982. 91 1, 095. 95 9, 416. 21 | \$61, 328. 99 | |
| NE 30, 1943 | Wages | Jornales | | \$3, 432.13 3, 749.39 3, 365.69 3, 621.79 4, 372.79 4, 055.21 | | 6, 482. 64 4, 964. 22 2, 557. 25 4, 380. 19 6, 422. 33 7, 856. 09 | \$55, 259. 72 | |
| YEAR ENDING JUNE 30, 1943 | Salaries | Sueldos | | \$5,976.61 5,926.65 5,926.74 5,926.74 7,822.73 5,806.74 | | 5,800.95 5,806.65 5,804.41 5,623.28 5,872.82 5,453.40 | \$69, 747. 59 | |
| YEAR ED | Vouchers | Compro- bantes Expedidos | | 30 34 34 34 34 34 34 34 34 34 34 34 34 34 | | 36 25 25 25 25 25 25 25 25 25 25 25 25 25 | 457 | |
| | Month | Mes | 1942 | July | 1943 | January February March. April May | Totals | |

| | · | | | | | |
|--|---|---|---------------|---------------|---|--------------|
| \$983. 97 721. 50 558. 40 217. 00 | 16, 168. 09 | 4, 070. 27 | 913.38 | \$23, 632. 71 | \$4, 656. 23 1, 351. 98 371. 37 | \$6, 379. 58 |
| | \$13, 060. 00 686. 44 1, 985. 72 205. 85 230. 08 | \$1, 594. 15 2, 476. 22 | | | uientes: | |
| (1) Bajo "Varios" se incluyen las siguientes partidas: Compra de Energia Eléctrica Compra de Tierras Fraqueo Indemnización por Daños. | Iuracanes e Incendios. sabilidad Pública sobre Líneas Eléctricas. de Empleados y Obreros. Sobre Fianzas de Empleados Automóviles. | Reembolsos (Contra): Ingresos. Gastos. | Misceláneos | | (2) Bajo "Cuentas de Años Anteriores" se pagaron las siguientes: Utilización de las Fuentes Fluviales Utilización de las Fuentes Fluviales de P. R. Varios Acreedores. | |
| \$983. 97 721. 50 558. 40 217. 00 | 16, 168. 09 | 4, 070. 37 | 913.38 | \$23, 632. 71 | \$4, 656. 23 1, 351. 98 371. 37 | \$6, 379. 58 |
| | \$13, 060. 00 686. 44 1, 985. 72 205. 85 230. 08 | \$1, 594. 15 2, 476. 22 | | | ::: | |
| (1) Under "Sundry" the following items are included: Purchase of Electric energy. Purchase of Land Postage Indemnity for Damages. Instrumenty for Damages. | and Fire Insurance for 5 years. bility and Property Damages. of Employees and Laborers on Bonds of Employees | Reimbursements (Contra): Revenue Accounts. Cash in Transit. | Miscellaneous | | (2) Under "Previous Years' Accounts" the following were paid: Utilization of Water Resources. Purto Rico Water Resources Authority. Sundry | |

DIVISION DE PROPIEDAD Y CUENTAS

TABLA "C"

DIVISION OF PROPERTY AND ACCOUNTS

TABLE "C"

ANNUAL BUDGET

GASTOS Y DESEMBOLSOS COMPARADOS CON PRESUPUESTO ANUAL COMPARISON OF ACTUAL AND AUTHORIZED EXPENDITURES

72 \$616,601.30 635, 020, 02 \$616,601.30 Totales \$18, 418. ASIGNACIONES Totals 52 41 \$2,380.41 \$16, 745, 11 Contin-gencies Impre-vistos 19, 125. 2,380. Maquinaria Machinery 8 \$1,503.12 Equipment 88 88 Purchase Compra de Equipo 3, 750. (and \$2, 246. \$2,246. 200 22 22 8 1, 200. General General \$288. Improvements and Extensions Mejoras y Extensiones Hydroelectric System 19 Sistema Hi-droeléctrico \$20,039.19 19 20,000.00 \$39. \$20,039. \$3,805.34 \$5,805.34 8 99 Irrigation System Sistema de Riego 4,000.0 \$194. Amortization of Debts and Payment of de Deudas y \$459, 468, 73 \$459, 468. 73 459, 812. 50 \$343.77 Amortiza-Pago de Intereses Interest cion General Administration \$44, 498.99 \$43, 636. 70 41, 770.00 -\$1,866.70 Administra-ción General 29 --862. Operation and Maintenance Operación y Conservación Hydroelectric Sistema Hi-droeléctrico \$59, 805, 69 292.00 -\$1.513.69\$61,316.71 -1,511.02System 58 10 \$24, 314. 24 \$24, 307. 14 27,070.00 \$2,762.86 Irrigation Sistema de Riego System 17 Presupuesto Aprobado) (Gastos Autorizados según Approved Budget.... (Diferencias efectivas con Authorized Expenditures Actual Differences with as per Budget..... Partidas Total Expenditures. Total de Gastos) Adjustments.... Presupuesto) (Ajustes)

NOTE: Item of \$2,380.41 under "Contingencies" cover: (a)

Air Base). Hurricane and Fire Insurance consumed during year of five-year Printing, traveling expenses, etc., incurred in connection with civil cases of this Service versus the United States of America (Boringuen active policy..... (p)

\$748.80 1,631.61 \$2,380.41

Partida de \$2,380.41 bajo "Imprevistos" cubre: Impresión; gastos de vivale, etc., incurvidos en conexión con casos cíviles de este Servicio contra los Estados Unidos de América (Base (a)

Aérea de Borinquen) Seguro contra huracán e incendio consumido durante el año de póliza por 5 años en vigor (q)

\$748.80

1,631.61 \$2,380,41

DIVISION OF PROPERTY AND ACCOUNTS

TABLE "D"

SHOWING AMOUNTS COLLECTED BY RECEIVING OFFICER
PHERMS FISCAL VEAD 10.9.42

Tabla "D" INDICANDO CANTIDADES COBRADAS POR EL OFICIAL RECEPTOR DURANTE EL AÑO FISCAL 192-43

DIVISION DE PROPIEDAD Y CUENTAS

| DURING FISCAL YEAR 1942-43 | | | | R | ECEPTOR | DURANT | RECEPTOR DURANTE EL AÑO FISCAL 1942-43 | FISCAL 18 | 42-43 |
|--|--|---|--|--|--|---|---|---|--|
| | | Power Bi | Power Bills 1942-43 | | | Irrigation | Water for | | |
| Month | Total Billed Monthly | Less: Credits to Municipal- ities | Net Billed for Collection | Total Collected During Year | Power Bills (Previous Years) | Water (Law No. 178 of 1941) | works, Domestic & Industrial Purposes | Sundry Revenues | Total Collections |
| | Factura | s de Corrien | Facturas de Corriente Eléctrica 1942-43 | 1942-43 | Facturas | A 9713, DAFA | Agua para | | |
| Mes | Total Facturado Mensual- mente | Menos: Créditos a Munici- pios | Neto Facturado para el Cobro | Total Cobrado durante el Año | de Corriente Eléctrica (Años Anteriores) | Riego (Ley No. 178 de 1941) | Fines Domésticos e Indus- triales | Ingresos Miscelá- neos | Total |
| July. August. September October. November. | \$20, 055. 42 21, 311. 92 21, 181. 22 20, 829. 20 22, 489. 23 21, 930. 82 | \$282.08 307.93 805.67 1, 213.39 1, 080.41 1, 147.48 | \$19,773,34 21,003,99 20,376,55 19,615,81 21,408.82 20,783.34 | \$19, 443, 55 20, 662, 41 19, 925, 50 19, 363, 36 21, 282, 52 20, 539, 70 | \$19, 327, 01 21, 149, 22 10, 194, 90 223, 12 148, 47 105, 69 | \$38.70 12.50 15.50 1.50 5.40 | \$18.87. 26.32 1,947.28 1,246.27 2,691.01 1,804.76 | \$282.97 982.93 725.61 25.92 552.99 631.43 | \$39, 111, 10 42, 833, 38 32, 808, 79 20, 860, 17 24, 680, 39 23, 081, 58 |
| 1943 Banuary. March March April May June. | 22, 193. 69 22, 543. 20 21, 212. 98 22, 439. 41 21, 711. 07 21, 426. 40 | 1, 233. 23 1, 220. 17 1, 220. 17 935. 34 829. 96 995. 72 1, 023. 17 | 20, 960. 46 21, 323. 03 20, 277. 64 21, 609. 45 20, 715. 35 20, 403. 23 | 20, 728. 04 20, 913. 77 19, 702. 94 20, 261. 73 19, 050. 70 | 26.85 359.63 12.97 17.17 39.91 | 16.90 28.65 176.60 24.40 10.00 95.90 | 16.56 3,323.84 875.43 28.05 1,735.02 1,474.74 | 405. 50 301. 66 92. 30 70. 75 422. 68 | 21, 193, 85 24, 927, 55 20, 860, 24 20, 507, 90 21, 062, 27 18, 267, 80 |
| | \$259, 324. 56 | \$11,074.55 | \$11, 074. 55 \$248, 250. 01 | \$238, 108. 79 | \$51, 727. 91 | \$426.05 | \$15, 188. 15 | \$4, 744. 12 | \$310, 195. 02 |
| Less: Power Bills collected for 1942-43 in July, 1943. Menos: Facturas de corriente eléctrica cobradas para 1942-43, en julio, 1943 | 1942-43, en j | ulio, 1943 | | 19, 526.31 | | | | | 19, 526. 31 |
| Total Collected by Receiving Officer during Fiscal Year 1942-43 Total Cobrado por el Oficial Receptor durante el Año Fiscal 1942-43. | ar 1942–43. Fiscal 1942 | -43 | | \$218, 582.48 | \$51, 727. 91 | \$426.05 | \$15, 188. 15 | \$4, 744. 12 | \$290, 668. 71 |
| | | | | - | - | | | | And in case of the last of the |

\$290, 668. 71 21, 961. 08 566, 345. 88

Total cobrado por el Oficial Receptor (Tabla "D").
Total cobrado por Colectores de Rentas Internas.
Total cobrado por Oficina del Hon. Tescrero de P. R.

\$290, 668. 71 21, 961. 08 566, 345. 88

Amount collected by Receiving Officer (Table "D").

Collected by Collectors of Internal Revenues.

Collected by Office of the Treasurer of P. R.

SUMMARY

Cash Receipts....

\$878, 975. 67

Total Cobranzas.....

RESUMEN

\$878, 975. 67

DIVISION OF PROPERTY AND ACCOUNTS

TABLE "E"

SHOWING ACCOUNTS COLLECTED FOR THE ISABELA IRRIGA-TION SERVICE BY INSULAR TREASURY DEPARTMENT DURING FISCAL YEAR 1942-43

| DICANDO CANTIDADES COBRADAS PARA EL SERVICIO | RIEGO DE ISABELA POR EL DEPARTAMENTO DE HACI | THEFT A DITTE AND THE AT AND THE AT |
|--|---|---|
| | NDICANDO CANTIDADES COBRADAS PARA EL SERVICIC | DICANDO CANTIDADES COBRADAS PARA EL SERVICIO EGO DE ISABELA POR EL DEPARTAMENTO DE HACI: |

| INDICANDO CANTIDADES COBRADAS PARA EL SERVICIO DEL | RIEGO DE ISABELA POR EL DEPARTAMENTO DE HACIENDA | INSULAR DURANTE EL AÑO FISCAL 1942-43 | |
|--|--|---------------------------------------|--|
| INDICANDO CANTIDADES COI | RIEGO DE ISABELA POR EL I | INSULAR DURANT | |
| | | | |

| | | Collectors | Collectors of Internal Revenues | Revenues | | | | Office o | Office of the Treasurer of Puerto Rico | rer of Puerto | Rico | |
|------------------|----------------------------------|------------------------------------|---------------------------------|-------------------------------|---------------------------------------|------------------------------|----------------------------|-------------------------------------|--|------------------------------|------------------------------------|--------------------------------------|
| 1 | Tax i | Tax Levies | PT- | Adjust- ments. | | - | | 1/10% Special Tax | | Repay- ment by Special | | |
| | Previous Years | Current | Surcharges | Act 146 of 1937 | Totals | Reimbur- sements, etc. | Cash in Transit | (Act 120 of 1939) | Insular Treasurer Transfer | Disb. Officer | Power Bills | Totals |
| | | Colectore | Colectores de Rentas Internas | Internas | | | | Offeina | Oficina del Tesorero de Puerto Rico | de Puerto R | ieo | |
| | Cuotas | Cuotas de Riego | | | | | | Contribu- | Transfe- | Reembolso | | |
| | Años | Año Actual | Recargos | Ajustes Ley 146 de 1937 | Totales | Reembol- sos, etc. | Efectivo en Tránsito | Especial de 1/10% (Ley 120 de 1939) | rencias del Tesoro Insular | por el Oficial Pagador | Facturas Corriente Eléctrica | Totales |
| | \$25, 75 252, 20 39, 35 | \$4, 787. 02 619. 91 523. 48 | \$4.72 11.56 5.99 | \$0.53 | \$4, 818, 02 883, 67 1, 661, 83 | | \$1,406.00 | | | | | \$1,406.00 |
| : : : | 521. 90 137. 90 2, 036. 26 | 946. 19 768. 08 18. 10 | 58. 16 27. 30 26. 74 | | 1, 526. 25 933. 28 2, 081. 10 | \$1, 562. 77 | 22. 65 24. 16 4. 99 | \$158,000.00 | \$158,000.00 \$140,000.00 | | | 22. 65 1, 586. 93 298, 004. 99 |
| 1943 January. | 155.84 | 121.90 | 27. 68 | | 305. 42 | 5, 881. 36 | 969.87 | | | | | 6,851.23 |
| | 91.77 | 2,058.77 | 24.68 | 124.99 | 2, 175, 22 | 31.38 | 28. 17 | | | | | 3.21 |
| :: | 43. 70 133. 80 | 2, 187. 42 | 15. 24 87. 16 | 922. 47 | 1, 298. 00 2, 408. 38 | 4, 438. 87 | | 240, 000. 00 | | \$14,000.00 | \$32.00 | 4, 438. 87 254, 032. 00 |
| Totals | \$3, 731. 27 | \$15, 763.87 | \$324.94 | \$2, 141.00 | \$21,961,08 | \$11, 914.38 | \$2,399.50 | \$398,000.00 \$140,000.00 | \$140,000.00 | \$14,000.00 | \$32.00 | \$566, 345.88 |

· EXHIBIT "A"

ISABELA IRRIGATION SERVICE

STATEMENT OF CASH RECEIPTS AND NET DISBURSEMENTS FOR FISCAL YEAR ENDING JUNE 30, 1943

| RECEIPTS | | | |
|---|-----------------------------|---|-------------------------------|
| IRRIGATION REVENUES: Irrigation Taxes Collocted: Providus Years Current Year | \$3, 731. 27 15, 763. 87 | \$19, 495. 14 | |
| Adjustments, Act 146 of 1937 | | 2, 141. 00 324. 94 426. 05 15, 188. 15 57. 86 | |
| Total, Irrigation Revenues | | | \$37, 633.14 |
| Hydroelectric Revenues: Power Bills (Previous Years) Power Bills (Cur.ont Year) Sundry | | \$51, 727. 91 218, 614. 48 1, 760. 17 | |
| Total, Eydroelsetric Rev∈nues | | | 272, 102.56 |
| GENERAL: Materials, Rents, Services, etc | | \$13, 246.32 398, 000.00 | |
| Total, General | | | 411, 246. 32 |
| TOTAL, CASH RECEIPTS FROM OPERATION | | | \$720, 982.02 |
| OTHER ITEMS: Transfors from Insular Treasury Cash in Transit Reimbursements (Contra) Repayment-Special Disbursing Officer | | \$140, 000.00 2, 399.50 1, 594.15 14, 000.00 | |
| Tetal, Other Items | | | 157, 993.65 |
| Total Cash Receipts for Period | | | \$878, 975. 67 33, 206. 38 |
| TOTAL, NET CASH RECEIPTS | | | \$912, 182.05 |
| | | | |

EXHIBIT "A"—Continued .

ISABELA IRRIGATION SERVICE

STATEMENT OF CASH RECEIPTS AND NET DISBURSEMENTS FOR FISCAL YEAR ENDING JUNE 30, 1943

| DISBURSEMENTS | 1 | |
|---|---|------------------------------|
| CURRENT YEAR ACCOUNTS: Operation and Construction: Payment of Salarios Payment of Labor Purchase of Materials Thru Bureau: Amount paid to Suppliers | \$69, 747. 59 55, 259. 72 | |
| Bureau Surchargos 1, 613. 71 | 57, 498. 59 | |
| Emergency Purchases of Materials and Supplies. Purchase of Electric Energy Transportation. Per Diems and Traveling. Telephone and Telegraph. Postage. Indemnity for Damages. Insurance (General). Insurance of Employees and Laborers Insurance—Premium on Bonds of Employees. Purchase of Land. Rents. Lease of Municipal Distribution System of Aguadilla. Sundry Expenses. Reimbursements (Contra): Fower Bills (Current Year). \$36.23 Irrigation Taxes C(lected-Current Year | 558. 40 217. 00 13, 976. 52 1, 985. 72 205. 85 721. 50 1, 091. 60 2, 981. 14 | |
| Tetal, Operation and Construction | | \$215, 514. 53 |
| Obligations: Amortization of Bonds | \$300,000.00 40,000.00 114,812.50 | |
| Total, Obligations | | \$454, 812 50 |
| Non-Operating: Adjustments—Cash in Transit | | |
| Total, Non-Operating | | \$2,476.22 |
| TOTAL, CURRENT YEAR ACCOUNTS | | \$672, 803.25 |
| ACCRUED ACCOUNTS: Utilization of the Water Resources. P. Water Resources Authority Sundry Creditors. | \$4, 656. 23 1, 351. 98 371. 37 | |
| Total, Accrued Accounts | | 6, 379. 58 |
| TOTAL VOUCHERS ISSUED DURING YEAR | | \$679, 182.83 |
| Vouchers in Transit, July 1, 1942: Bureau of Supplies, Printing, and Transportation Sundry Creditors | \$2, 240.23 227.44 | |
| Total, Vouchors in Transit, July 1, 1942 | | 2, 467. 67 |
| TOTAL AUTHORIZED FOR PAYMENT | - | \$681, 650. 50 6, 880. 20 |
| TOTAL VOUCHERS PAID DURING YEAR. PLUS: Advance to Special Disbursing Officer. | | \$674, 770.30 14, 000.00 |
| TOTAL, NET CASH DISBURSEMENTS | - | \$688, 770.30 |
| Cash Balance in Treasury Fund (July 1, 1943) | = | \$223, 411.75 |
| | - | |

EXHIBIT "B" ISABELA IRRIGATION SERVICE BALANCE SHEET, JUNE 30, 1943

| ASSETS | | | |
|--|--|--|------------------|
| FIXED ASSETS: INVESTMENTS: Irrigation System: Guajataca Reservoir. Diversion Canal Distribution System. | \$1, 789, 880.77 1, 012, 592.08 717, 808.40 | \$3, 520, 281.25 | |
| Hydroelectric System: Power Plant No. 1 | 133, 757.48 125, 184.59 24, 882.29 124, 970.98 | | |
| Property of Municipality of Aguadilla under 10 years lease 10,377.13 | 327, 533.73 | 736, 329.07 | |
| General Administration: Main Headquarters Telephone Lines Pulverizing Plant | 53, 738.80 13, 804.79 1, 554.65 | 69, 098.24 | |
| Less: Reserve for Depreciation | , | \$4, 325, 708.56 314, 898.34 | |
| TOTAL FIXED ASSETS | | | \$4,010,810.22 |
| GENERAL EQUIPMENTLess: Reserve for Depreciation | | \$68, 626.11 18, 963.82 | 49, 662.29 |
| CURRENT ASSETS: Cash: Treasurer of Puerto Rico: General Fund Special Fund Customers' Cash Bond Deposits Cash in Transit Special Disbursing Officer | 223, 411.75 11, 027.45 2, 562.91 -39.16 656.05 | \$237, 619.00 | |
| Inventories: Materials and Supplies | | 60, 206 . 93 | |
| Accounts Receivable: Tax Levies Receivable General Accounts. | 29, 451.29 59, 026.35 | 88, 477.64 | |
| TOTAL CURRENT ASSETS | | | 386, 303.57 |
| DEFERRED ASSETS: Deferred Tax Levies Stream Gauging. Construction of Power Plant No. 3. Other Items | | \$51, 982.58 1, 579.99 15, 586.37 7, 095.75 | |
| TOTAL DEFERRED ASSETS | | | 76, 244.69 |
| DEFERRED CHARGES: Discount on Bonds. Prepaid Insurance. 5% Premium on Construction Bonds Retired | | \$1, 792.99 12, 038.65 68, 750.00 | |
| TOTAL DEFERRED CHARGES | | | 82, 581 . 64 |
| TOTAL ASSETS | | - | \$4, 605, 602.41 |

EXHIBIT "B"-Continued ISABELA IRRIGATION SERVICE BALANCE SHEET, JUNE 30, 1943

| LIABILITIES | | | |
|--|---|---|------------------------------|
| FIXED LIABILITIES: BOND INDEBTEDNESS: Operation Period: Series "A" to "SS" 1952-70. Series "S" to "T" 1970-71. Series "T" to "U" 1971-72. Series "U" to "V" 1972-73. Series "V" 1973. | \$750, 000.00 150, 000.00 100, 000.00 150, 000.00 100, 000.00 | \$1, 250, 000.00 | |
| Refunding Bonds: Series "A" 1935–1945–1974. Series "B" 1938–1946–1975. Series "C" 1937–1976. P. R. 2½% Isabela Irrigation Consolidation Bonds of 1938: Original Issued\$2, 625, 000.00 Less: Amortizations | 75, 000.00 75, 000.00 75, 000.00 | 2, 025, 000.00 | \$3, 275, 000.0 0 |
| Insular Treasury Temporary Loans | | | 1, 826, 208.75 |
| | | | |
| TOTAL FIXED LIABILITIES | | | \$5, 101, 208.75 |
| CURRENT LIABILITIES: Accounts Payable. Unpaid Labor Accrued Expenses Accrued Interest on Treasury Loan. Customers' Cash Bond Deposits. | | 6, 880.20 323.54 15, 823.47 6, 275.43 2, 547.91 | |
| TOTAL CURRENT LIABILITIES | | | 31,850.55 |
| Deferred Credits: Premium on Bonds | | \$36, 903.78 | |
| TOTAL DEFERRED CREDITS | | | 36, 903.78 |
| TOTAL LIABILITIES | • | | \$5, 169, 963.08 |
| SURPLUS: Operating Surplus: General. 1/10° Spocial Tax (Act 120 of 1939) | -1, 967, 462.46 1, 090, 132.41 | \$877, 330.05 | |
| Donatod Surplus: Federal Govornment Contributions Insular Government Contributions | | 312, 969.38 | |
| Total Surplus | | | -564, 360.67 |
| | | | \$4, 605, 602.41 |

Note: Items indicated with hyphen (-) represent red figures.

Ехнівіт "С"

ISABELA IRRIGATION SERVICE

STATEMENT OF OPERATING AND MAINTENANCE

July 1, 1942 to June 30, 1943

| Irrigation System: Operating Expenses: Guajataca Reservoir Diversion Canal. Distribution System. | \$1, 443.23 950.21 11, 838.59 | \$14, 232.03 |
|---|--|----------------------------|
| Maintenance Expenses: Guajataca Resorvoir Diversion Canal Distribution System. | 358.48 2, 887.64 8, 557.26 | 11, 803.38 |
| TOTAL, OPERATION AND MAINTENANCE | | \$26, 035.41 |
| Hydroflectric System: Operating Expenses: Power Plant No. 1 Power Plant No. 2 Substations Transmission Lines. Distribution Lines: Distribution Lines: Primary Distribution Lines Secondary Distribution Lines. Meter and Transformer Operation Lease of Municipal Distribution Systems. Compensation to Municipalities Interconnections. Purchase of Electric Energy. | 13, 618, 34 10, 917, 32 1, 517, 83 7, 565, 33 2, 846, 68 34, 687, 76 3, 054, 27 3, 500, 00 11, 074, 55 125, 94 983, 97 | \$89,891.99 |
| MAINTENANCE EXPENSES: Power Plant No. 1. Power Plant No. 2. Substations. Transmission Lines. Distribution Lines: Primary Distribution Lines. Secondary Distribution Lines. TOTAL, OPERATION AND MAINTENANCE | 442.54 201.29 111.12 260.44 1, 809.48 1, 654.35 | 4, 479.22 |
| GENERAL ADMINISTRATION: OPERATING EXPENSES: Main Headquarters. Telephone Lines. Garage General Warehouse. Executive Division Accounting Division. General Expenses. | 2, 320.23 823.30 1, 828.51 2, 840.35 9, 090.10 22, 845.46 6, 453.49 | \$94, 371.21 46, 201.44 |
| MAINTENANCE EXPENSES: Main Headquarters. Telephone Lines. Total, Operation and Maintenance. | 1, 396.89 487.10 | 1,883.99 |
| Interest: | _ | \$125, 238.68 |
| Interest on Bonded Debt | | |

Ехнівіт "D"

ISABELA IRRIGATION SERVICE INCOME STATEMENT

July 1, 1942 to June 30, 1943

| July 1, 193 | 2 To June 30, 1943 |
|---|-----------------------------|
| RIGATION SYSTEM: DPERATING REVENUES: Irrigation Revenue \$26,736 Miscellaneous Irrigation Revenue 13,933 | |
| Total, Operating Revenue | |
| Operating Profit, Irrigation System | \$14,633.94 |
| ROROELECTR.C SYSTEM: DPERATING REVENUE: Hydroelectric Current Revenue | |
| Total, Operating Revenue. 250, 68 Total, Operating and Maintenance Expenses. 94, 37 | |
| Operating Profit, Hydroelectric System | 166, 311.76 |
| coss Operating Profit. ss: Total, General Operating and Maintenance Expenses | \$180, 945.70 48, 085.43 |
| T OPERATING PROFIT | \$132, 860.27 |
| Profit on Sale of Property | 2.50 1.39 2.54 .05 |
| Total, Non-Operating Credits | 399, 012.57 |
| | \$531, 872.84 |
| ON-OPERATING CHARGES: Property Losses \$69 | 1.76 |
| Total, Non-Operating Charges. | 691.76 |
| Gross Income | \$531, 181.08 |
| COME DEDUCTIONS: Interest on Bonded Debt | 125, 238.68 |
| Surplus for Year. | \$405, 912.40 |
| RPLUS AT BEGINNING OF YEAR: Operating Surplus —\$1,288,690 Adjustments for Previous Years 5,420 | 6.19 3.74 |
| justed Surplus for Previous Years | -1, 283, 272.45 |
| TOTAL OPERATING SURPLUS | -877, 330.05 |
| ONATED SURPLUS: Federal Government Contributions. Insular Government Contributions. \$152,96 | 9.38 |
| | 312, 969.38 |
| TOTAL, DONATED SURPLUS | 014, 000.00 |

Note: Items indicated with hyphen (-) represent red figures.

EXHIBIT "E"

ISABELA IRRIGATION SERVICE

STATEMENT SHOWING NET CHARGES MADE TO INVESTMENT ACCOUNTS DURING THE FISCAL YEAR 1942-43 WITH TOTALS TO DATE

| Accounts | Totals June 30, 1942 | Totals July 1, 1942 to June 30, 1943 | Grand Totals June 30, 1943 |
|--|----------------------------|--|---|
| Investments: Irrigation System: | | | |
| GUAJATACA RESERVOIR: Roservoir: | | | |
| RIGHT of Way and Damages: | | | |
| Salaries | \$12, 160. 91 | \$213.00 | \$12, 160. 91 |
| Lands Damages | 91, 542, 44 27, 129, 52 | \$215.00 | 91, 755. 44 27, 129, 52 |
| Hydrography | 27, 129. 52 2, 797. 86 | | 27, 129. 52 2, 797. 86 3, 930. 21 |
| Damages Hydrography. Test, Pits & Borings. Surveys. | 3, 930, 21 16, 750, 66 | | 3, 930. 21 |
| Geological Thivestigations | 10, 750.00 | ****************** | 16, 750. 66 |
| Professional Services | 1, 490. 74 | | 1, 490. 74 |
| Miscellaneous Office Expenses | 2. 69 11. 66 | | 2.69 11.66 |
| Depreciation of Equipment (Expense) | 108. 73 | | 108. 73 |
| Automobile Expenses. Depreciation of Equipment (Expense). Highways. Highways (Road Camuy to San Səbastián). | 24, 898. 98 | | 24, 898. 98 |
| Fencing. | 8, 005. 27 164. 48 | | 8, 005. 27 164. 48 |
| Leveling Force Account Construction. | 351. 51 | 633. 52 | 351. 51 |
| Force Account Construction | 122.95 12,358.94 | 633. 52 | 756. 47 12, 358. 94 |
| Miscellaneous Expenses | 2, 950. 89 | | 2, 950. 89 |
| Administration. Miscellaneous Expenses. Preliminary Surveys and Investigations | 306. 62 | | 306. 62 |
| Salaries Malaria Prevention of Reservoir Testing of Reservoir | 24. 39 118. 96 | | 24. 39 118. 96 |
| Testing of Reservoir | 296. 90 | | 296. 90 |
| Premium on Insurance of Employees and | 0.00 | | 2.00 |
| Laborers | 6, 69 49, 275, 71 | | 6. 69 49. 275. 71 |
| Operation during Construction (Proportion) | 49, 275, 71 1, 231, 21 | | 49, 275. 71 1, 231. 21 |
| Maintenance during Construction | 420.00 | | 420. 00 |
| (Proportion) | \$256, 458. 92 | \$846. 52 | \$257, 305. 44 |
| TOTALS | | | |
| Dam: Materials and Supplies | \$0.57 | | \$0, 57 |
| M. & R. of Equipment | 13, 088. 44 | | 13, 088. 44 |
| M. & R. of Gates & Structures Test, Pits & Borings: | 131. 59 | | 131. 59 |
| Test Pits. | 1, 726. 97 | | 1, 726. 97 |
| Borings | 13, 296, 43 | | 13, 296. 43 |
| Contract Construction | 1, 096. 22 314, 124. 20 | | 1, 096. 22 314, 124. 20 |
| Contract Construction (Extra Work) | 12, 269, 95 | | 12, 269. 95 |
| Contract Construction (Material) | 32, 724. 82 | | 32, 724. 82 |
| Misc Office Expenses | 22, 489. 47 3, 978. 09 | | 22, 489. 47 3, 978. 09 |
| Consulting Services | 1, 870. 29 | | 1, 870. 29 |
| Test, Pits & Borings: Test Pits Borings Surveys Contract Construction Contract Construction (Extra Work) Contract Construction (Material) Inspection & Engineering (Contract) Misc. Office Expences Consulting Services M. & R. of Buildings Automobile Expenses Fencing Corral Expences Depreciation of Equipment (Expense) Depreciation of Buildings, etc. (Expense) | 340.46 1,593.13 | | 340. 46 1, 593. 13 |
| Fencing. | 97. 82 | | 97.82 |
| Corral Expences | 121.08 | | 121.08 |
| Depreciation of Equipment (Expense) | 78, 132.22 19, 577.41 | | 78, 132. 22 19, 577. 41 |
| Salaries | 5, 00 | | 5. 00 |
| | 772. 28 | | 772. 28 |
| Temporary Telephone Lines (Maint and | 25. 00 | | 25. 00 |
| Repairs) | 122. 55 | | 122. 55 |
| Buildings, Temporary Buildings, Temporary Temporary Telephone Lines (Maint. and Repairs) Office Engineering Force Account Construction. | 4, 623. 44 636, 269. 56 | | 4, 623 . 44 636, 269. 56 |
| Administration | 69, 858. 39 | | 69, 858. 39 |
| Miscellaneous Expenses | 13, 450. 31 | | 13, 450. 31 |
| LaborTraveling Expanses | 12, 852 . 11 19, 45 | | 12, 852. 11 19. 45 |
| Labor Traveling Expenses Superintendence and Engineering | 15, 364. 91 | | 15, 364. 91 |
| Reconstruction and Repairs caused by | | | |
| Storm of Sept 13, 1928 Premium on Insurance of Fmployees and | 11.89 | | 11.89 |
| Laborers | 371.88 | 1 | 371.88 |

EXHIBIT "E"—Continued

ISABELA IRRIGATION SERVICE

STATEMENT SHOWING NET CHARGES MADE TO INVESTMENT ACCOUNTS DURING THE FISCAL YEAR 1942—43 WITH TOTALS TO DATE

| Accounts | Totals June 30, 1942 | Totals July 1, 1942 to June 30, 1943 | Grand Totals June 30, 1943 |
|--|---|--|--|
| Dam:-Continued | | | |
| Interest during Construction (Proportion). Operation during Construction (Proportion) Maintenance during Construction (Proportion) | \$251, 991, 31 7, 598, 03 2, 580, 06 | | \$251, 991.31 7, 598.03 2, 580.06 |
| TOTALS | \$1, 532, 575. 33 | | \$1, 532, 575. 33 |
| DIVERSION CANAL: Right of Way and Damages: Salaries, etc. Damages. Lands. Real Estate other than Right of Way. Materials and Supplies. Transportation, Freight, etc. M. & R. of Equipment Surveys. Contract Construction. Contract Construction (Extra Work). | 3, 702. 43 20. 50 5, 701. 56 153. 50 7, 623. 83 23, 019. 01 225, 417. 08 | | \$3, 030, 41 9, 679, 38 4, 702, 43 20, 50 5, 701, 56 153, 50 7, 623, 83 23, 019, 01 225, 417, 08 |
| Inspection & Engineering (Contract). Misc. Office Expenses. M. & R. of Buildings. Automobile Expenses. Corral Expenses. Depreciation of Equipment (Expense). | 11, 618, 19 16, 897, 29 783, 56 840, 33 2, 624, 91 2, 277, 62 14, 862, 80 | | 225, 417, 08 11, 618, 19 16, 897, 29 783, 56 840, 33 2, 624, 91 2, 277, 62 14, 862, 80 |
| DIVERSION CANAL: Depreciation of Buildings, etc. (Expense). Highways. Buildings, Temporary Fencing. Office Engineering Leveling. Force Account Construction. M. & R. of Roads. Administration. Rents. Miscellaneous Expenses. Preliminary Surveys and Investigations. Surveys—Utilization of Streams. Salaries. Labor. Traveling Expenses. Superintendence & Engineering. Construction of Repairs caused by Storm of Sept. 13, 1928. Pren lum on Insurance of Employees and I aborers. Reconstruction and Repairs caused by Storm of Sept. 26-27, 1932. Interest during Construction (Proportion). Operation during Construction (Proportion) Maintenance during Construction (Proportion). | 13, 819, 76 266, 54 303, 62 .50 118, 121, 19 5, 083, 39 1, 467, 58 | \$476.72 | 8, 307. 95 16, 234. 81 45. 90 180. 78 8, 918. 19 35. 15. 66 420, 896. 76 4. 00 38, 221. 34 3, 273. 46 8, 499. 09 30. 6. 63 385. 2. 13 49. 00 30, 814. 80 801. 65 7, 410. 91 13, 819. 76 266. 54 303. 62 0, 50 118, 121. 19 5, 883. 39 1, 467. 58 |
| Totals | \$1,012,115.36 | \$476.72 | \$1, 012, 592. 08 |
| DISTRIBUTION SYSTEM: Right of Way and Damages: Salaries. Damages. Lands. Real Estate other than Right of Way. M. & R. of Equipment. Hydrography. Surveys. Surveys, Topography. Miscelleneous Office Expenses. M. & R. of Buildings. Automobile Expenses. | 1, 118. 83 5, 184. 58 8. 25 29, 196. 65 23, 513. 25 1, 338. 18 482. 89 | -\$96.50 -651.31 | \$8, 029, 73 51, 713, 37 1, 798, 10 1, 118, 83 5, 184, 58 8, 25 29, 196, 65 23, 513, 25 1, 338, 18 482, 89 1, 676, 53 |

EXHIBIT "E"-Continued

ISABELA IRRIGATION SERVICE

STATEMENT SHOWING NET CHARGES MADE TO INVESTMENT ACCOUNT DURING THE FISCAL YEAR 1942-43 WITH TOTALS TO DATE

| Accounts | Totals June 30, 1942 | Totals July 1, 1942 to June 30, 1943 | Grand Totals June 30, 1943 |
|---|--|--------------------------------------|--|
| DISTRIBUTION SYSTEM:—Continued Correl Expenses. Depreciation of Equipment (Expense). Depreciation of Buildings, etc. Highways. Fenering Buildings, Pormanent Buildings, Tomporary Office Engineering. Leveling Force Account Construction. Administration. Rents Miscellaneous Expenses. Preliminary Surveys and Investigation Traveling Expenses Superintendence and Engineering. Canal and Tunnel Maintenance. Reconstruction and Repairs caused by Storm of Sapt. 13, 1928. Premium on Insurance of Employees and Laborer Interest during Construction (Proportion). | 1, 858, 58 8, 330, 11 6, 960, 33 42, 34 1, 022, 72 3, 733, 31 8, 46 16, 872, 62 868, 68 411, 655, 51 993, 677, 61 993, 67 5, 348, 22 306, 62 143, 98 16, 120, 82 65, 63 1, 083, 96 2, 748, 60 38, 422, 53 3, 727, 55 | \$70.82 -9,504.55 | 1, 858, 55 8, 330, 11 6, 960, 33 1, 093, 5- 3, 733, 31 8, 44 16, 872, 65 868, 65 432, 150, 99 34, 577, 61 993, 65 5, 348, 22 65, 66 14, 083, 99 16, 120, 82 65, 65 1, 083, 99 2, 748, 66 38, 122, 55 3, 727, 55 |
| Operation during Construction (Proportion). Maint. during Construction (Proportion). Irrication Commission. | 933. 91 17, 292. 06 | 62. 95 | 933, 91 17, 355, 01 |
| Totals | \$727, 926. 99 | -10, 118. 59 | \$717, 808. 40 |
| Totals, Irrigation System | \$3, 529, 076. 60 | -8, 795. 35 | \$3, 520, 281. 25 |
| Hydroelectric System: Power Plant No. 1: Right of Way and Damages: Salaries. Studies for Power Plant No. 2. Studies for Power Plant No. 3. Real Estate other than Right of Way. M & R of Equipment Surveys. Miscellaneous Office Expenses. M & R of Buildings Automobile Expenses. Depreciation of Equipment (Expense). Highways. Fencing Buildings, Permanent Buildings, Temporary. Roads, Bridges, Culverts, etc. office Engineering Leveling Force Account Construction. Administration Rents. Miscellaneous Expenses. | \$238. 95 178. 89 18. 61 350. 00 112. 14 528. 13 120. 20 | | \$238.95 178.86 18.61 350.00 112.14 528.15 120.20 94.43.55 6.55.33 6, 084.22 13.47 1,188.85 1,839.25 157.77 90,733.86 8,209.99 62.47 574.66 12.88 137.6 |
| Labor. Preliminary Surveys and Investigations. Traveling Expenses. Superintendence & Engineering Reconstruction and Repairs caused by | 44. 60 153. 19 | | 153. 1 |
| Labor. Preliminary Surveys and Investigations. Traveling Expenses. Superintendence & Engineering. Reconstruction and Repairs caused by Storm of Sept. 13, 1928. Premium on Insurance of Employees and Laborers. Interest during Construction (Proportion). Operation during Construction (Proportion) | 44. 60 153. 19 491. 99 2. 42 6, 703. 47 | | 153. 1 491. 9 2. 4 6, 703. 4 |
| Premium on Insurance of Employees and Laborers | 44. 60 153. 19 491. 99 2. 42 | | 153. 1 491. 9 2. 4 6, 703. 4 3, 845. 0 1, 659. 7 |

EXHIBIT "E"-Continued ISABELA IRRIGATION SERVICE

STATEMENT SHOWING NET CHARGES MADE TO INVESTMENT ACCOUNTS DURING THE FISCAL YEAR 1942-43 WITH TOTALS TO DATE

| Accounts | Totals June 30, 1942 | Totals July 1, 1942 to June 30, 1943 | Grand Totals June 30, 1943 |
|---|--|--|--|
| Power Plant No. 2: Federal Donation: Materials and Supplies. Highways. Building, Permanent Miscellaneous Expenses. Labor. Superintendence & Engineering. | \$9, 867. 53 17, 129. 11 8, 900. 30 1, 133. 27 27, 999. 30 6, 019. 67 | | 9, 867, 53 17, 129, 41 8, 900, 30 1, 133, 27 27, 999, 30 6, 019, 67 |
| Services' Fund: Right of Way & Damages: Salaries. Damages Real Estate other than Right of Way. Equipment Force Account Construction. | | 153. 13 50. 00 681. 00 34, 416. 31 18, 834. 97 | 153. 13 50. 00 681. 00 34, 416. 31 18, 834. 97 |
| Totals | \$71, 049. 18 | 54, 135. 41 | \$125, 184. 59 |
| Substations: Right of Way and Damages: Salaries. Real Estate other than Right of Way M. & R. of Equipment Surveys. Miscellaneous Office Expenses. M. & R. of Buildings. Automob' Expenses. Depreciatio, of Equipment (Expense). Transportation, Freight, etc. Fencing. Buildings, Permanent Office Engineering Leveling. Force Account Construction. Administration Rents. Miscellaneous Expenses. Preliminary Surveys and Investigations. Traveling Expenses. Superintendence & Engineering Reconstruction and Repairs caused by Storm of Sept. 13, 1928 Premium on Insurance of Employees and Laborers. Interest during Construction (Proportion) Operation during Construction (Proportion) Maintenance during Construction (Proportion) | 8. 00 56. 65 798. 45 161. 12 - 14. 35 21, 283. 43 | | \$23. 55 396. 00 10. 20 61. 54 13. 54 13. 54 .09 31. 75 116. 26 8. 00 56. 65 798. 45 161. 12 14. 35 21, 283. 43 738. 72 5. 68 53. 91 12. 52 4. 18 14. 37 20. 63 32. 28 550. 90 318. 40 155. 77 |
| Totals | \$24, 882. 29 | | \$24, 882. 29 |
| Transmission Lines: Right of Way and Damages: Salaries Damages. M & R of Equipment Surveys Miscellaneous Office Expenses. M. & R of Buildings. Suspense Account Automobile Expenses Corral Expenses Depreciation of Equipment (Expense) Office Engineering Leveling Force Account Construction Administration Rents Miscellaneous Expenses. Preliminary Surveys and Investigations. Traveling Expenses. | 6, 545. 32 | | \$295.63 630.33 97.45 1,735.26 110.00 .82 33.46 148.35 .87 9.587.14 1,539.22 137.12 94.861.72 6,545.32 54.29 519.10 |

EXHIBIT "E"-Continued

ISABELA IRRIGATION SERVICE

STATEMENT SHOWING NET CHARGES MADE TO INVESTMENT ACCOUNTS DURING TH \updela FISCAL YEAR 1942-43 WITH TOTALS TO DATE

| Account | Totals June 30, 1943 | Totals July 1, 1942 to June 30, 1943 | Grand Totals June 30, 1943 |
|---|-------------------------------------|--------------------------------------|----------------------------------|
| Transmision Lines:—Continued | | | |
| Superintendence & Engineering | 148. 97 | | 148. 97 |
| Storm of Sept. 13, 1928 | 1, 266. 69 | | 1, 266. 69 |
| Laborers | 32. 17 | | 32. 17 |
| Laborers. Interest during Construction (Proportion). Operation during Construction (Proportion) Maintenance during Construction (Pro- | 5, 056. 78 2, 921. 70 | | 5, 056. 78 2, 921. 70 |
| portion) Materials and SuppliesSalaries. | 361. 26 6, 352. 05 1, 082. 03 | | 361.26 6,352.05 1,082.03 |
| Totals | \$124, 970. 98 | | \$124, 970. 98 |
| DISTRIBUTION LINES: | | | |
| Right of Way and Damages: | 4101 00 | | \$101.00 |
| Salaries, etc | \$101.80 918.42 | | \$101. 80 918. 42 |
| Materials and Supplies. Transportation, Freight, etc. | 637. 94 | | 637. 94 |
| Transportation, Freight, etc | 554. 29 30. 05 | | 554. 29 |
| M. & R. of Equipment Surveys | 2, 786. 02 | | 30. 05 2, 786. 02 |
| Miscellaneous | 49. 28 | | 49. 28 |
| M. & R. of Buildings | . 25 197. 41 | | . 25 197. 41 |
| Suspense Account Automobile Expenses | 779.06 | | 779. 06 |
| Automobile Expenses Depreciation of Equipment (Expense) | 837. 93 | , | 837. 93 |
| Omce Engineering | 474. 53 42. 28 | | 474. 53 42. 28 |
| Force Account Construction | 147, 036. 20 | \$5, 373. 57 | 152, 409. 77 |
| Real Estate other than Right of Way | 150.00 | | 150.00 |
| Administration | 2, 754. 59 16. 73 | | 2, 754. 59 - 16. 73 |
| Preliminary Surveys and Investigations | 181.18 | | 181. 18 |
| Miscellaneous Expenses | 165. 15 | | 165. 15 |
| Traveling Expenses | 832. 89 747. 18 | | 832. 89 747. 18 |
| Premium on Insurance of Employees and Laborers | 485, 08 | | 485, 08 |
| Purchase of Municipal Distribution System at: | 400,00 | | 400.00 |
| Hatilla | 601.00 | | €01.00 |
| Quebradillas | 4, 358. 98 3, 819. 93 | | 4, 358. 98 3, 819. 93 |
| Añasco | 3, 819. 93 7, 085 . 55 | 1 | 7, 085, 55 |
| Isabela | 13, 235.94 1, 001.00 | | 13, 235. 94 1, 001. 00 |
| Camuy Quebradillas Añasco. Isabela Moca Aguadilla (Partial) Rincón | 7, 561. 61 | | 7, 561. 61 |
| Rincón | 1,002.00 | | 1, 002. 00 |
| Aguada | 4, 502. 97 | | 4, 502.97 |
| Hatillo | 6, 406. 47 | 523. 72 | 6, 930. 19 |
| Camuy Quebradillas | 7, 869. 06 5, 684. 14 | 1, 124. 20 557. 42 | 8, 993.26 6, 241.56 |
| Añasco | 9, 089. 13 | 468. 53 | 9, 557. 66 |
| Aguada | 7, 905. 47 | 503. 18 | 8, 408.65 |
| Rincón Isabela | 3, 766. 09 11, 746. 61 | 167. 80 1, 083. 05 | 3, 933. 89 12, 829. 66 |
| Aguadilla | 45, 434. 99 | 4, 636. 96 | 50, 071. 95 |
| MocaSuperintendence and Engineering | 3, 866. 53 | 470. 41 | 4, 336. 94 |
| Superintendence and Engineering. Electric Municipal Distribution System at Aguadilla under 10 year lease (June 20, | 76. 74 | | 76. 74 |
| 1936 to June 19, 1946) | 10, 377. 13 | | 10, 377. 13 |
| Interest during Construction (Proportion) Operation during Construction (Proportion) | 1, 648. 76 | | 1, 648. 76 266. 52 |

EXHIBIT "E"-Continued

ISABELA IRRIGATION SERVICE

STATEMENT SHOWING NET CHARGES MADE TO INVESTMENT ACCOUNTS DURING THE FISCAL YEAR 1942-43 WITH TOTALS TO DATE

| Accounts | Totals June 30, 1943 | Totals July 1, 1942 to June 30, 1943 | Grand Totals June 30, 1943 |
|--|--|--|--|
| DISTRIBUTION LINES:—Continued Maintenanee during Construction (Proportion). Flat Rate Installations. | \$466. 21 5 , 450 . 93 | | \$466. 21 5, 450. 93 |
| Totals | \$323, 002. 02 | \$14, 908. 84 | \$337, 910. 86 |
| TOTALS, HYDROELECTRIC | \$677, 661. 95 | \$69, 044. 25 | \$746, 706. 20 |
| GENERAL ADMINISTRATION: Main Headquarters. Telephone Lines. Pulverizing Plant. | \$52, 867. 07 13, 765. 30 1, 554. 65 | \$871. 73 39. 49 | \$53, 738. 80 13, 804. 79 1, 554. 65 |
| Totals, General Administration | \$68, 187. 02 | \$911. 22 | \$67, 098. 24 |
| | \$4, 274, 925. 57 | \$61, 160.12 | \$1, 336, 085. 69 |
| Less: Contingent Liability (Lease of Electric Distribution System at Aguadilla) | | | 10, 377. 13 |
| TOTAL, INVESTMENT, JUNE 30, 1943 | | | \$4, 325, 708. 56 |

"WAR EMERGENCY PROGRAM"

In an effort to relief the critical and emergent conditions of the economy of Puerto Rico which have resulted as a direct consequence of the present war, the Insular Legislature, on November 27, 1942 approved Act No. 16 of the Special Session.

One of the characteristics of the emergency is an appreciable increase in unemployment. Private industry as well as public and private construction activities have been seriously curtailed as a result of abnormal conditions in the maritime communications and of the restrictions on the use of construction materials prescribed by the War Production Board.

Act No. 16 created the Insular Emergency Council, composed of the Hon. Governor, the Hon. Auditor and the Commissioners of all the Departments of the Insular Government. This council is authorized to draft and direct an ample emergency work program, with a view to putting an end to unemployment, which will provide an opportunity to work to the largest possible number of unemployed persons.

The following construction projects are included among the activities authorized to be undertaken under the work program: construction, repair, maintenance and improvement of highways, roads, streets, buildings, public utilities, recreational facilities and other miscellaneous municipal projects.

The Department of the Interior has been entrusted with the responsibility of the development, promotion and execution of all construction projects of the Emergency Program. The organization of the administrative personnel which is to be in charge of this work is well under way at the time of this writing.

The following tabulation includes only those projects approved by the Insular Emergency Council and turned over to this Department for execution prior to June, 30, 1943. Projects marked with asterik have already been placed in operation at this data.

| Town | Description of Project | Appropriation |
|--------------|--|------------------|
| Islandwide | Improvement, Repair and Maintenance of Roads and Bridges | \$200,000.00 |
| Islandwide | Construction of Bridle Paths | 400,000.00 |
| Islandwide | Repair of Public Buildings | 210,000,00 |
| Maunabo | Canalization of Stream | 350.00 |
| Maricao | Repair of streets | 2, 743.00 |
| Ciales | Repair of streets. | 3, 720,00 |
| Ciales | Repair of streets | 3, 820.00 |
| Ciales | Repair of streets. | -3, 820,00 |
| Ciales | Repair of streets. | 6, 000, 00 |
| Aibonito | Repairs to Public Square | 2, 023, 40 |
| Aibonito | Improvements to Cemetery | 1, 031, 40 |
| Adjuntas | Construction of Bridge | 3, 548, 00 |
| Adjuntas | Repair of streets. | 8, 000.00 |
| Vega Baja | Improvements to Sewerage System | 16, 811,00 |
| Utuado | Repairs to Municipal Cemetery | 7, 937.00 |
| Río Grande | Improvements to Municipal Cemetery | 7, 530.00 |
| Mavagüez | Repairs of streets. | 8, 755.00 |
| Mayagüez | Canalization of "La Salud" Creek | 3, 936.80 |
| Comerío | Repair of streets. | 22, 782.80 |
| Cavey | Improvements to Public Square | 4,000.00 |
| Barranguitas | Improvements to Cemetery. | 5, 117, 50 |
| Jayuya | Improvements to Cemetery | 10, 150.00 |
| Corozal | Canalization of Creek | 3, 392.00 |
| Cayey | Repair of streets | 20,000.00 |
| Cavev | Improvements to Cemetery | 20,000.00 |
| Villalba | Repair of streets. | 1, 068,00 |
| Jayuva | Extension of Water Supply System | 2, 894, 20 |
| Lares | Extension of Water Supply System | 5, 282.00 |
| Utuado | Repair of streets. | 10, 649.00 |
| Ponce | Repair of streets. | 25, 981.00 |
| Ponce | Canalization of "La Muerte" Creek. | 11, 800.00 |
| Ciales | Canalization of "Sana Muertos" Creek | 29, 700.00 |
| Peñuelas | Improvements to Water Supply System | 19, 770.00 |
| Patillas | Extension of Water Supply System | 5, 700.00 |
| Aibonito | Repairs to Municipal Hospital | 2, 076.00 |
| Santa Isabel | Repairs to Municipal Hospital | 9, 900.00 |
| | Total | \$1, 100, 288.10 |

SERVICE OF CLAIMS, ADVICE AND LEGAL ASSISTANCE

The Service of Claims, Advice and Legal Assistance is entrusted with the work of studying the legal aspect of all such cases requiring immediate attention by the Commissioner, Assistant Commissioner and the heads of the bureaus and divisions of this Department. During the fiscal year 1942–1943 the Service rendered numerous verbal and written legal opinions. A great deal of claims were investigated and studied in order to advise as to the rights of the claimants against The People of Puerto Rico. The Director of the Service assumed the representation of the Commissioner in various hearings held before different offices of the Insular Government, such as the Public Service Commission and the Civil Service Commission.

In order to carry out the construction and widening of insular roads and briidges, and the compliance of the provisions of laws directing the Commissioner to acquire lands and buildings, the Service studied, prepared and handled, in cooperation with the Department of Justice, numerous condemnation proceedings. The Director of the Service cooperated with the Department of Justice in several cases, before the district courts, in which the Commissioner of the Interior was a party. The Service drafted the bills, in which this Department was interested, to be introduced in the Legislature. It also prepared the reports of the bills that were submitted by the Governor of Puerto Rico for recommendation.

The Department of the Interior has been advocating the approval of several legislative measure with the purpose of expediting the work, specially in order to cooperate with the war effort. In the course of the year 1943–44 the following acts were approved, which were drafted and presented by this Department:

- 1. Act No. 120, approved May 12, 1943. The owner of a private car, used for private service, was responsible only for the damages caused by negligence only when the owner himself was driving his motor vehicle. The Act makes the owner liable for the damages caused by negligent operation of said vehicle when his agents or employees, duly authorized to drive the vehicle, cause damages.
- 2. Act No. 51, approved May 9, 1943. The purpose of the Act is to direct the Insular Police, whenever there is an accident in which

a public automobile which is the working tool of his owner is involved, to give notice of the accident within five days to the insurance company with the car is insured, and this notification will be considered as the notification required by the insurance companies.

- 3. Act No. 177, approved May 15, 1943. This Act includes the Colón Park, of Aguadilla, Puerto Rico, under the maintenance, control and administration of the Service of Parks and Recreation, created by Act No. 46, approved April 24, 1942.
- 4. Act No. 128, approved May 12, 1943. This Act appropriates the sum of \$26,000 to be used by the Insular Sewerage Service to continue the works that said Service initiated, in accordance with Act No. 16, approved November 21, 1941.
- 5. Act No. 122, approved May 12, 1943. This Act creates a Committee on Design of Public Works for the preparation of advanced plans and specifications of public improvements, either during the present war or after the war. One hundred thousand dollars are appropriated in order to carry out the purposes of the Act.
- 6. Act No. 91, approved May 12, 1943. This Act authorizes the Commissioner of the Interior to handle in the courts, in the name and in representation of The People of Puerto Rico, all condemnation proceedings in order to carry out the construction of roads and bridges, without the previous declaration of public utility by the Executive Council of Puerto Rico.
- 7. Act No. 200, approved May 15, 1943. This Act amends Act No. 143, approved May 15, 1937, as amended, and provides that from the proceeds of the tax on gasoline the Commissioner of the Interior may devote up to the sum of \$2,000,000 for the maintenance and repairs of highways, roads and bridges.
- 8. Act No. 198, approved May 15, 1943. This Act authorizes the Commissioner of the Interior to prepare, with the approval of the Governor, a new General Specifications for the Contracting of Insular Public Works.
- 9. Act No. 58, approved May 10, 1943. This Act appropriates the sum of \$20,000 to continue irrigation and hydroelectric investigations and surveys in that part of the Island, bounded by the Guajataca River, on the West, and the dividing line between the municipalities of Arecibo and Hatillo, on the East; that is, including those lands in the municipalities of Hatillo, Camuy and Quebradillas, capable of being benefited by irrigation.

- 10. Act No. 36, approved May 3, 1943. This Act appropriate the sum of \$10,000 to complete the construction of the water supply system for the town of Moca.
- 11. Act No. 119, approved May 12, 1943. This Act amends several sections of the Automobile Law in order to correct and remedy certain deficiencies of the latter.
- 12. Act No. 28, approved April 29, 1943. This Act amends the act that established the Service of Parks and Recreation with the purpose of authorizing said Service to enter into agreements with other agencies or instrumentalities of the Insular or Federal Government, in order to construct parks, playgrounds and athletic fields.
- 13. Act No. 53, approved May 9, 1943. This Act provides that the Commissioner of the Interior shall take charge of the maintenance of the Guerrero Road and of the reinforced concrete bridge over the bed of Los Cedros brook. This road gives access to hydroelectric plants Nos. 2 and 3 of the Isabela Irrigation Service.
- 14. Act No. 127, approved May 12, 1943. This Act appropriates the sum of \$200,000 for the purchase or expropriation of necessary lands and buildings in order to carry out the Post-War Program of Public Works, with the advice of a board formed by the Commissioner of the Interior, the Director of the Puerto Rico Planning, Urbanizing and Zoning Board, the Executive Director of the War Emergency Program, the Director of the Bureau of the Budget and another member who will be appointed by the Governor of Puerto Rico.

INSULAR SEWERAGE SERVICE

To initiate the work of the Insular Sewer Service, created by A:t No. 16, approved by the Legislature of Puerto Rico in 1941, the sum of \$10,000 was appropriated. This sum was spent in accordance with the budget for the year 1942–43, approved by the Insular Sewerage Board on May 12, 1942 as follows:

| Executive Director \$4 | , 200. 00 | |
|-----------------------------------|-----------|-------------|
| Engineer's Aide2 | , 400.00 | |
| Secretary Stenographer 1 | , 200. 00 | |
| | | \$7,800.00 |
| General Expenses: | | |
| Material and Office Equipment | 500.00 | |
| Travel expenses and Subsistence 1 | , 400.00 | |
| Misce laneous expenses | 300.00 | |
| | | 2,000.00 |
| Total | | \$10,000.00 |

The appropriation of \$10,000 was only sufficient to prepare a survey of the physical plants of the existing sewerage systems, so as to determine their operating conditions and render the pertinent recommendations to the Legislature and Governor of Puerto Rico so as to make possible the appropriation of the necessary funds to carry out the work of repairs and improvement leading to the establishment of an efficient service on all existing sanitary sewerage systems over the Island.

A detailed report, dated January 8, 1943, was prepared and submitted to the Legislature and the Governor of Puerto Rico, in which a brief account is given of the existing operating conditions of each sanitary sewerage system, as well as specific recommendation as to the necessary work of improvement to be executed in order to remedy deficiencies which may be considered as public nuisance.

Following the recommendation of the above mentioned report, all effort has been made toward the execution of three (3) main projects, considered of utmost importance to the public health and feasible, taking advantage of war emergency funds set aside by the Legislature to carry out public work programs compatible with the present emergency situation.

These projects are:

- A. Regular maintenance and repairs work to Insular Sewerages Systems.
- B. Improvements to existing sanitary sewerage Systems.
- C. Construction of new sewerage systems to Municipalities lacking this service.

The project for the maintenance and repairs to the sewerage systems amounts to \$58,000, of which, about \$45,000 will be devoted to salaries and wages, and the balance, will be used for the purchase of the mechanical equipment, suitable for cleaning sewer pipes.

The project for the improvements of existing sanitary sewerage systems covers 44 existing plants and amounts to \$1,085,300. This project comprises the work for the extension of the outfall sewers in towns located at the littoral, and also includes work for the improvement of sewerage treatment plants in those towns where the sewage discharges into brooks or rivers that do not afford sufficient dilution.

The project for new plant consists of the construction of sanitary sewerage systems in the towns of the Island at present lacking of this service. This project amounts to \$1,396,352.

I have no doubt that these three (3) projects, will receive the approval of both the Insular Planning Board and the Insular Emergency Council, taking into consideration that these are capital projects providing a permanent solution to a sanitary problem long existing over the urban zones of the Island. In the execution of work of this nature are equally interested the Insular Government as well as the Federal Agencies dealing with public works, and it is due to this fact that it is considered now the proper opportunity for the setting aside of Insular funds available in order to obtain the necessary help from Fedesal Agencies, so as to carry out these extensive public work programs.

It is worthy of stating that it is perfectly possible to execute these projects at present not withstanding the actual emergency condition, due to the fact that cement sewer pipe manufactured in Puerto Rico will be used and that great care will be exercised to eliminate to a minimum the use of critical materials in the design of treatment plants.





